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Issue!**

BEGINNER'S GUIDE TO GROW ROOMS

HIGH TIMES



AUGUST 1987

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IN HAWAII**

**THE 10 WORST
THINGS THAT
HAPPENED TO
POP MUSIC**
BY JAMES MARSHALL



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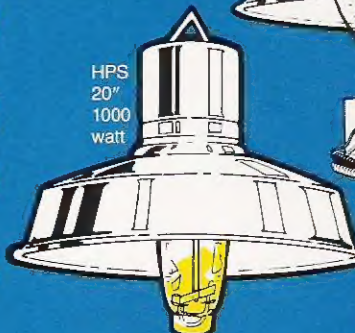
46" Super Reflective Aluminum Hood



MH 14" 400 watt



MH 18" 1000 watt



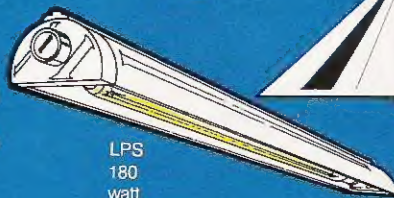
HPS 20" 1000 watt



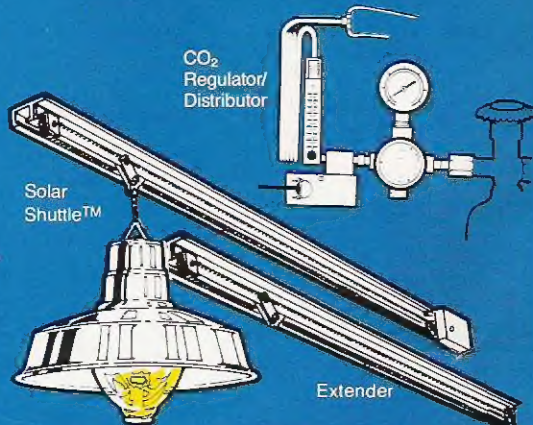
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ELISABETSKY

MODEL:

SHARON M.

LIGHTS:

CAPTAIN WHIZZO

ON THE COVER: Sharon M. is the lead singer of *Black Light Chameleons*, a New York-based psychband (pictured left). Captain Whizzo's light show is visible to the naked eye at NYC's *Mind's Eye* Events (see feature).

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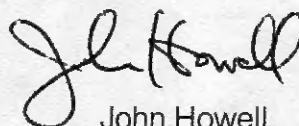
THOMAS KING FORCADE, 1945-1978

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EDITOR'S NOTE

On the 200th anniversary of our U.S. Constitution, it's time to remember a couple of very important facts: Our Founding Fathers, in their infinite wisdom, guaranteed many individual rights to Americans—among them the right to party! (That's one vital definition of "the pursuit of happiness"!) Now, it seems like the fascist party poopers who are temporarily in power are trying to clamp down on this constitutionally guaranteed right. How? By raising the drinking age *again* (as if that were a substitute for proper education), censoring condom commercials from federally licensed media (the only thing the government is doing about AIDS is trying to scare us into not having *any* sex), and continuing the stupid policies toward drugs that have created an insane social nightmare instead of the true party state that our forefathers intended. From drug testing to "Just Say No," from outlawing sex education to book banning, the brain-dead mummies at the top levels of our government are trying to stop Americans from their inalienable right to a good time. Well, we're not gonna take it any more, and this issue is a shot fired across the bows of their sinking ship: **Look out, we're gonna fight for our right to party! ●**

From on high,

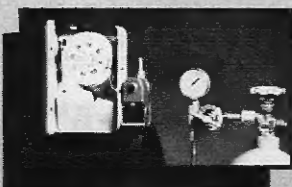
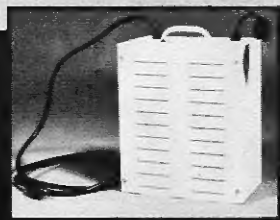


John Howell,
Editor-in-chief

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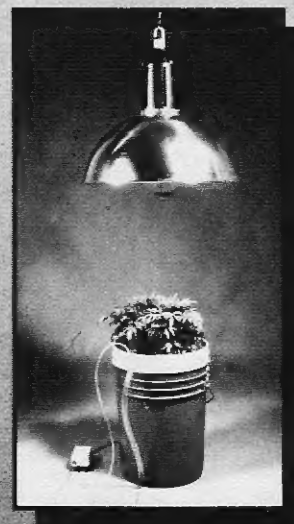
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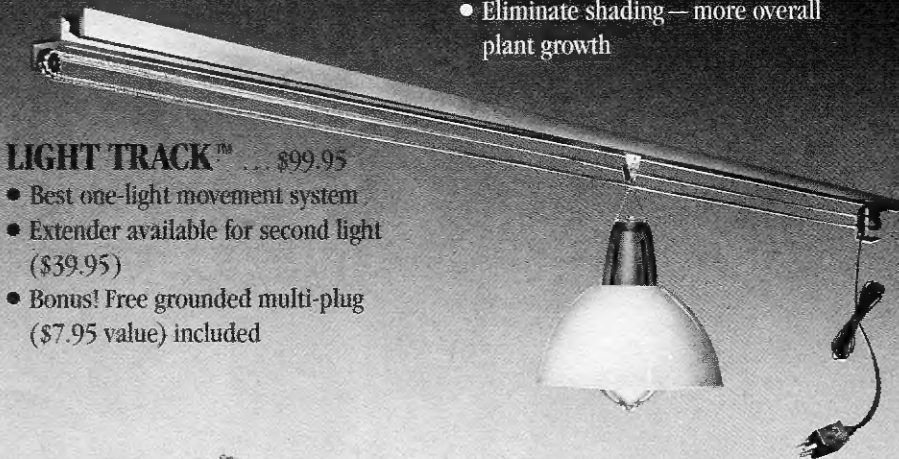
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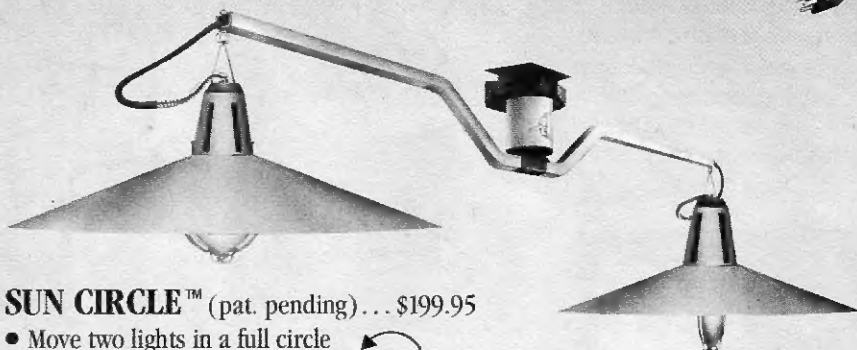
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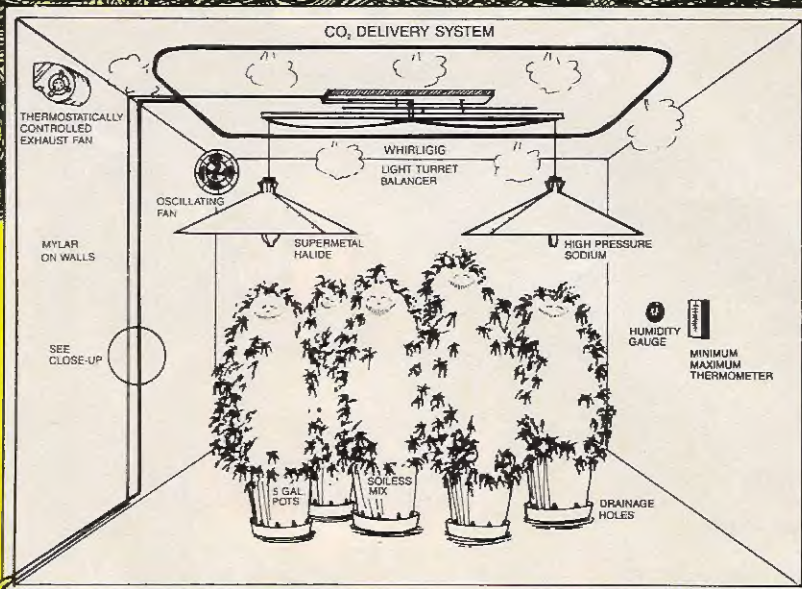
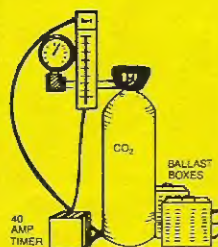
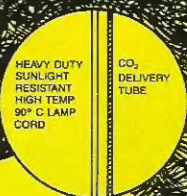
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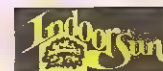
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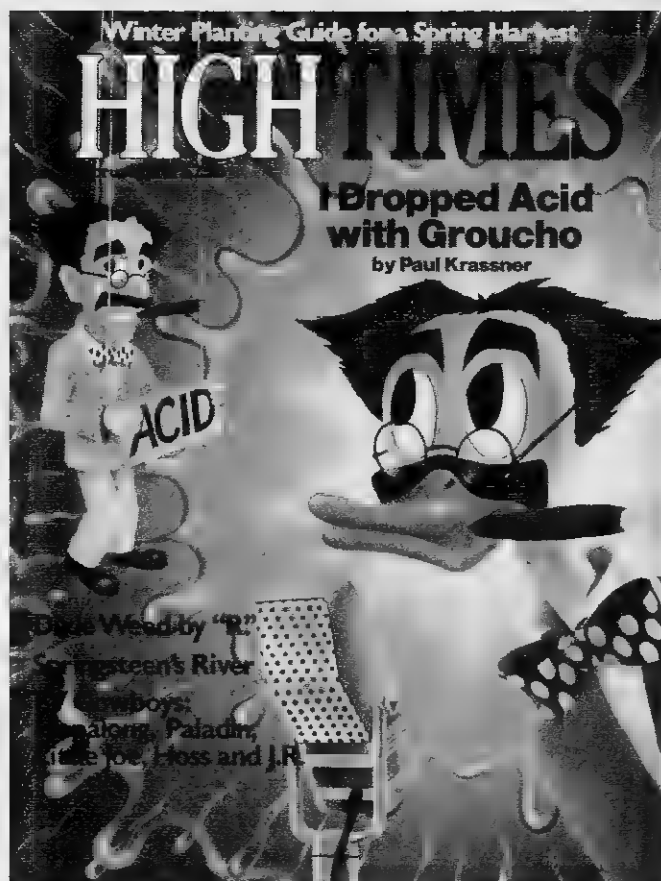
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LETTERS



NORML ADDRESS

I have just read "Activist News" in the June issue. I agree completely that we have waited long enough for legalization. To my dismay, however, I noticed that no address for NORML was given with the article. Can you please send me the address so I can join?

—F.R.

Gaithersbury, Maryland

It is our opinion that every marijuana-smoking American should be a member of NORML. You can join by writing NORML at 2001 S Street NW, Suite 640, Washington, D.C. 20009, or by calling (202) 483-5500.

I AM NOT A FUCKUP!

I am a high school student soon to graduate with honors who has been using (not abusing) marijuana for the past four years. I've remained on the honor roll and have a fine (and honest) relationship with my parents. I keep hearing anti-drug campaigns telling me drug use decreases motivation. Well, I'm telling everyone now—I am not a fuckup! I wish the government would just leave us alone. Sometimes I think I've woken up in Russia.

—A young female Dead/Pot Head
Backwards, New Hampshire

NO MORE JOKES

I don't care if you print this letter, I would just like for you to clearly state your position. Who are your files open to? Who controls what type of focus the magazine has? Is it possible to provide protection against the seizure of letters mailed to the magazine? A letter in April claimed you were owned by the DEA. You said it was true and made jokes. But it isn't a funny joke when Ed asks you to mail in letters and there is no immunity statement.

—Prophet II

Somewhere in Oregon

Awright, awright. Time for the straight dope. HIGH TIMES is owned and operated by the Trans-High Corporation, a publishing company set up by the magazine's founder, the late Tom Forcade. The jokes about the DEA owning us are just that: jokes. We know the DEA reads HIGH TIMES (we have the subscription orders to prove it), but the only people in control of the magazine are the employees of Trans-High Corp. NO LAW ENFORCEMENT AGENCY, INCLUDING THE DEA, HAS ANYTHING TO DO WITH THE OWNERSHIP OR OPERATION OF HIGH TIMES. There, we said it. As for mail sent to us, we can't answer for the U.S. Post Office, but we get a lot of mail—hundreds of letters per week—and in our experience, no one has had any problems caused by writing HIGH TIMES. However, we urge CAUTION: please use pseudonyms and fake return addresses on the outside of the envelope (and inside too, if you prefer). We never publish names and addresses, even if people are crazy enough to send them to us. Oh yeah, our files aren't open to anyone outside of HIGH TIMES. Okay?

MEL IS SWELL

It was great to see Mel Frank's cover and centerfold in the May issue. He always had the best pot photos I've ever seen. Will we see more? How about some articles by Mel on marijuana growing? As the original father of us pot growers, his articles were always the most informative and interesting that I've ever seen. I hope HIGH TIMES gets Mel to write and publish some more photos.

—Lucky

Los Angeles, California

TOP 40

Why such a lengthy response to Dave Wilhelm in the June "Letters"? You wasted space with blither and let us know that even HIGH TIMES can play the role of censor. If more people are voting to see "Jerry Garcia die while tripping on acid," then majority should rule! "Top 40" (and sometimes "Hep Cat") is the funniest department of HIGH TIMES. Humor is in!!! So how about a clear vote?!

—Unsigned, undestined, undressed,
but not uninformed
Washington, D.C.

You're right about majority ruling. Single ballots ALWAYS count. The fact is, some idiot sent in 1,000 votes to "see Jerry Garcia die while tripping on acid." Patently offensive ballot stuffers don't make it. By the way, another guy wrote in to say "all forms of sex should be placed in the Hall of Fame and retired from the 'Top 100.'" Sorry, pal. No can do. What's next? Retiring bong hits?

● Send your letters to HIGH TIMES "Letters," 211 E. 43rd St., New York, N.Y. 10017. ●

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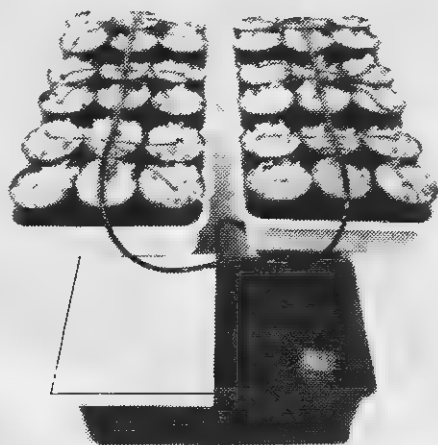
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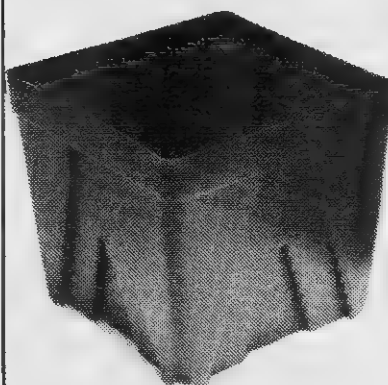
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Mr. Burbank grafted one hundred different types of apple branches onto a single apple tree and each branch bore a completely different fruit the first year for his personal selection. Inventing this grafting technique, he squeezed thousands of years of research into a few. The results of his work, from potatoes to apples to EVERY domesticated fruit, vegetable or flower, are what we grow today.

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DENNIS ROBERT HOAGLAND, 1888-1949, was the inventor of the "four salt Hoagland solution" from which all HYDROPONICS are based. Although a brilliant botanist, Dr. Hoagland was interested in only one thing, the BIO-MASS (size and weight) of the TOMATO produced hydroponically. Working under the scientific assumptions of the early 1900s, Dr. Hoagland's world assumed four things:

A. Plants had a life cycle leading to death. **WE NOW KNOW** plants have a very different way of achieving a life and death cycle than does the human being. Humans are more genetically structured toward their life and death cycle than plants. Plants allow environmental factors to control not only their life and death cycle but their sex as well: Such things as (1) "PHOTOPERIOD" (length of time under light and dark), (2) "THERMO-PERIOD" (length of time under temperature variation), and most importantly (3) "NUTRIENT PERIOD" (length of time under a given nutrient configuration).

B. Maximum SIZE and WEIGHT before death of (a) root, (b) shoot, (c) fruit known as the "root to shoot to fruit ratio" - was the absolute goal. **WE NOW KNOW** the "root to shoot to fruit ratio" is a fallacy. There is no such thing. While keeping

the fruit exactly the same size as normal, both the root (below the soil) and the shoot (above the soil) can be minimized. And by reducing the inter-nodal lengths* (distance between the budding sites from an average of 6 inches to less than 1 inch), the number of the normal sized fruit will increase to thousands per plant. (*Footnote: See inter-nodal length graph in "The Garden" brochure.)

C. Plant "lush feeding" of excess nutrients meant nothing. **WE NOW KNOW** plant "lush feeding" kills the plant. The basis of the hydroponic method is that a fresh nutrient supply be pumped in while the used nutrient supply drains out. This allows the plant to absorb excess amounts of calcium. If allowed, the plant will absorb 10 times what it requires of calcium to the exclusion of other more beneficial nutrients like N, P, K, Mg, Na, Cl, etc. Too much calcium and the plant gets GARDENING OF THE ARTERIES and dies after one seasonal growth period.

D. An aqueous (water) based system without a "buffer" (soil having a cation exchange capacity, C.E.C.) was best. **WE NOW KNOW** an aqueous (water) based nutrient solution surrounding the root system without a "buffer" to protect the roots creates a "water root" - a thick, fleshy root that has layered itself with "fat" to protect itself. Nowhere near the amount of root surface area is produced hydroponically (water based) as when the roots are buffered against excess concentrations by a soil medium.

WE NOW KNOW that the soil mediums used by Dr. Hoagland, such as perlite vermiculite, and sand have no buffering action or "CATION EXCHANGE CAPACITY" (C.E.C.). The CATION EXCHANGE CAPACITY of a soil medium is the ability of that medium to ABSORB AND RELEASE a nutrient solution. The cation exchange capacity of the soil medium protects the root system and allows it to produce thousands more root structures, producing thousands more square inches of root surface area. The greater the root surface area, the more efficient the nutrient uptake for faster growth.

The early 1900s did not have the advanced technology of 1986. Equipment for testing nutrient solutions and plant tissue such as the gas-liquid chromatographic assay (GLC), Thin-Layer chromatographic assay (TLC) and sophisticated atomic absorption equipment were not available.

With the aid of the computer since 1951, the medical profession by comparison has advanced in the last 30 years more than in the preceding 2,000 years. If Dennis Robert Hoagland had access to 1986 technology in 1920, he never would have designed the hydroponic system.



JEFFERY JULIAN DEMARCO, 1951-____, is President and founder of PYRAPONIC INDUSTRIES and is the inventor of the methodology known as GROWING PLANTS PYRAPONIMETRICALLY and the PHOTOTRON.

Three things are required to grow plants pyraponimetrically: 1. A laboratory grade growth chamber known as the PHOTOTRON. 2. A specific METHODOLOGY for plant growth and manipulation (instructions). 3. A very specific NUTRIENT SUPPLY COMPUTER DESIGNED IN PARTS PER MILLION (PPM) for each individual PHOTOTRON. The exact nutrient calibrations are individually calibrated based upon two soil samples taken from the phototron: one after FORTY-FIVE DAYS of plant growth and one after 90 DAYS of plant growth—ONLY TWO ARE REQUIRED.

Mr. DeMarco's Masters thesis was on the cannabinoid profile of marijuana. After working under both federal and state license in a laboratory at a major university for over two years, and since 1976 has developed the phototron, the methodology and the chemistry to study the internal workings of the plant (not just the SIZE and WEIGHT, but utmostly important to study the MOLECULAR and PHARMACOLOGIC properties of the plant). The research developed in pursuit of Mr. DeMarco's

research PERTAINS TO ANY PLANT.

Pharmacognosy is the study of molecules produced inside plants. This type of study requires very sophisticated equipment like the Gas-Liquid Chromatogram (GLC), Thin-Layer Chromatogram (TLC) and Atomic Absorption.

THC-delta 9, the psychoactive molecule produced by the marijuana plant, is so microscopic that 100,000 molecules fit end to end would sit on the head of a pin. *When you're concerned about growing structures so infinitely tiny, what difference does the size of the plant make?*

In the disciplines of Botany, Horticulture, Plant Physiology, Soil Chemistry and Floraculture, a "root to shoot to fruit" ratio requires a large root and a large shoot to grow large fruit.

Growing plants Pyraponimetrically (by exactly measuring all 21 environmental elements), requires the plant to produce minimal root, minimal shoot (inter-nodal lengths) and maximize the number of budding sites and size of the bud, flower or fruit.

To develop the (A) PHOTOTRON, (B) the CHEMISTRY and (C) the plant manipulation methodology known as GROWING PLANTS PYRAPONIMETRICALLY, the marijuana plant was used because of its unique properties.

The PHOTOTRON was designed to: (1) GROW 6 PLANTS THREE AND ONE-HALF FEET TALL IN 45 DAYS; (2) Duplicate exactly the quality of the plant material the seed came from; (3) RE-FLOWER AND RE-BUD PLANT MATERIAL EVERY 45 DAYS UP TO 9 TIMES PER YEAR; (4) NEVER KILLING THE PLANTS. YEAR AFTER YEAR; (5) BE REMOVED FROM EVERY DAY. (The system is designed for plant removal, not containment); and (6) To produce 6-8 ounces of plant material every 45 days.

Growing Plants Pyraponimetrically will revolutionize indoor plant production as we know it today. At PYRAPONIC LABORATORIES, over 25 PHOTOTRONS are used for new experiments. To date, PYRAPONIC LABORATORIES have successfully catalogued 17 varieties of flowering plants, 14 varieties of fruits and vegetables, 8 varieties of tobacco and will force flower roses 365 days per year

A year, or two years from now, PYRAPONIC INDUSTRIES will mass market the PHOTOTRON through the major retailers, on television and radio. I will look forward to working with you. Thank you very much.

Jeffery Julian DeMarco
Jeffery Julian DeMarco
President and Founder Pyraponic Industries

1-312-544- B-U-D-S

PHOTOTRON 2

HAWAII VS THE PHOTOTRON

Hello, my name is Jeffery Demarco, President and Founder of PYRAPONIC INDUSTRIES.

My master's thesis is on the cannabinoid profile of marijuana. I tell you this for historical footnote only.

In pursuit of my own master's thesis, I generated the most extensive popular literature library in the world. Then, I generated the most extensive scientific bibliography in the world. I then went into a laboratory under Federal license at a major university in which I designed a laboratory grade growth chamber called the PHOTOTRON.

If you read all of the popular literature: I did. All of the scientific literature: I did. And look at every apparatus that is in High Times, you will find one common denominator. Every system, UP TILL NOW, has attempted to re-create Hawaii. I suggest that when you finally achieve the re-creation of Hawaii, you can do NO BETTER than Hawaii's results. AND WHAT ARE HAWAII'S RESULTS?

In fact, you will grow the plant 6 to 9 months, 6 to 12 feet tall. In fact, you will average a 6-inch internodal length (distance between budding sites). In fact, have a 10% budding ratio at the tops of the plant. In fact, throw away 90% of the plant material (leaves/shake). And in fact YOU MUST START ALL OVER AGAIN.

Look. The only thing I'm waiting nine months for is a baby, number one. Number two, I do not want a tree in my house. And number three, I am not going to pay the ELECTRIC BILL TO PRODUCE THE SUN somewhere in my closet. Do not let its pretty looks fool you. Do not let its size (3½ feet tall x 18 inches wide) fool you. Do not let its weight at 17 lbs. fool you.

The PHOTOTRON will draw \$4.00 per month in electricity (average). My system is totally different.

In fact, you will grow 6 plants three and one half feet tall in 45 days, guaranteed. You will maintain a one-inch internodal length, guaranteed. That each plant will produce 1,000 budding sites, FROM TOP TO BOTTOM, guaranteed. And there will be 6 plants per individual PHOTOTRON, guaranteed.

And this is the only system in the world where you can re-flower and re-bud the exact same plants every 45 days, up to nine times per year without killing them off. EVER. Then, you may re-flower and re-bud the exact same plants every 45 days up to nine times per year while you remove from the system every single solitary day. Every day (average 6-8 oz. every 45 days). You remove from the PHOTOTRON every single solitary day, beginning on day 20 from seed germination.

I personally guarantee and service back the PHOTOTRON, so do not let its technical nature throw you. You will require THREE PAGES OF INSTRUCTIONS ONLY. Because the system is TOTALLY COMPLETE. You will do three things: 1. Select your seed. 2. Plug the system in. 3. Water it.

Then, if you have any questions at all, you may call me direct. Ask your question. Get your answer. And carry on about your business. You cannot fail with my PHOTOTRON. I do not allow any of my PHOTOTRONS to fall below SHOW-CASE. I have personally guaranteed every PHOTOTRON that has ever been sold. And I have never had one returned. I am not starting now.

"If you do not learn more about plant production than you have ever learned before, I will pay you for the call."

Jeffery Julian De Marco



THE PHOTOTRON

	NEVER	NO	YES	YES	YES	YES	YES	YES	YES	YES
Halide Systems	50%	1	NO	NO	NO	NO	NO	NO	NO	NO
LIGHT	LEAF SELF SHADING									
	LINEAR FEET OF LIGHT									
NUTRIENTS	SPECTRUM ADJUSTABILITY									
	COMPUTER DESIGNED FOR EACH SYSTEM									
CO2	GUARANTEE FEMALE SEX									
	NEVER KILLS THE PLANTS									
SERVICE	ONE-INCH INTERNODAL LENGTHS = 1,000 BUDDING SITES PER PLANT									
	RE-FLOWER AND RE-BUD SAME PLANTS EVERY 45 DAYS UP TO 9 TIMES PER YEAR									
	TOTALLY SELF-SUFFICIENT TO LEAF SATURATION									
	SERVICE HOT LINE FOR QUESTIONS									

If you do not learn more about plant production than you have ever learned before, we will pay you for the call. CAN YOU AFFORD NOT TO CALL US. Or, send a \$3.00 money order for our brochure, "THE GARDEN-GROWING PLANTS PYRAPONICALLY" to:

PYRAPONIC INDUSTRIES, INC., P.O. BOX 1071, MELROSE PARK, IL 60160

photograph presented from university conducted research for Masters Thesis entitled "Factors Controlling Resin-Production and Plant Growth," pertaining to any plant.

1-312-544-B-U-D-S

PYRAPONIC LABORATORIES: GROWING PLANTS PYRAPONIMETRICALLY

PYRAPONIC LABORATORIES MAINTAINS: (1) The most extensive scientific literature library in the world. (2) The most extensive popular literature in the world. (3) The most extensive library of Data Packages and Soil Analysis selected from over 3,000 PHOTO-TRONS sold worldwide. (4) On premises, over 25 PHOTOTRONS with the capacity of three shelves each so that up to 75 experiments may be ongoing at any one time. Jeffery Julian DeMarco, President and Founder of PYRAPONIC INDUSTRIES and PYRAPONIC LABORATORIES maintains his PHOTOTRONS for the purpose of killing plants. It is only after experimenting with the parameters of death at PYRAPONIC LABORATORIES that the PHOTOTRON can perform so miraculously around the world. Said to be the number 1 herbicidal maniac, Mr. DeMarco has full-time laboratory technicians on staff and has the most extensive technical consulting network from Universities around the world. PYRAPONIC LABORATORIES maintains the most sophisticated on-premises computerization for data analysis and retrieval in the world. Thousands of experiments have been conducted and thousands more will be ongoing to expand ever further the performance of each PHOTOTRON. As PYRAPONIC LABORATORIES introduces new methods or nutrient formulations, each PHOTOTRON owner is contacted so that every PHOTOTRON is upgraded long after it has been purchased. THE PHOTOTRON IMPROVES MORE AND MORE THE LONGER YOU OWN IT!

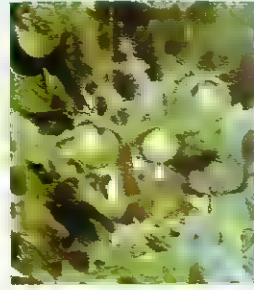
GROWTH PATTERN OF TOMATOES GROWN PYRAPONIMETRICALLY



Young tomato plants in vegetative stage.



Young tomato plants beginning to flower and fruit.



Fruiting less than an inch apart.



"Normal" fruit development with a reduced root-to-shoot ratio.

GROWTH PATTERN OF CUCUMBERS GROWN PYRAPONIMETRICALLY



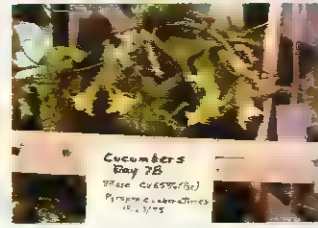
Typical testing pattern by Pyraponic Laboratories depicting the morphological differences of cucumbers grown under identical conditions except one nutrient level.



Plants nearing top of Phototron in less than 30 days.



Plants filling the Phototron in less than 45 days.



Tremendous flowering and fruiting less than an inch apart.



"Normal" fruit development with a reduced root-to-shoot ratio.

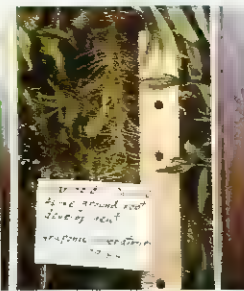
HERBS, VEGETABLES AND FLOWERS GROWN PYRAPONIMETRICALLY



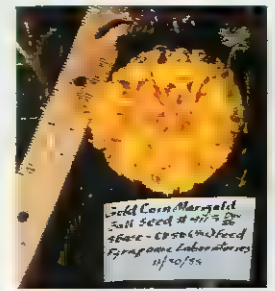
Herbal garden at 65 days of Parsley, Sage, Basil, Oregano, Thyme and Chive.



The hottest jalapa pepper grown anywhere in the world.



Laboratory experiment producing complete root systems on the stem structures of flowering marigolds.



"Normal" marigold flower size produced with reduced root-to-shoot ratio.

GROWTH PATTERNS OF ZINIAS AND SNAPDRAGONS GROWN PYRAPONIMETRICALLY



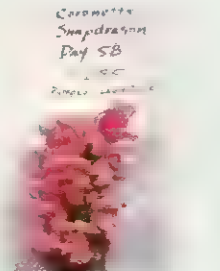
Day 44: Phototron jammed with flowering zinnias.



Day 52: "Normal" zinia flower size produced with reduced root-to-shoot ratio.



Day 46: Phototron jammed with flowering snapdragons.



Day 58: "Normal" snapdragon flower size produced with reduced root-to-shoot ratio.



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LOCAL JUDGE "RABBIT" PUNCHES HAWAIIAN GROWERS

Over 44 arrested and more indictments expected soon.

The already crippled marijuana business in Hawaii has suffered another devastating blow, one delivered by a recent state law enforcement sting dubbed "Operation Rabbit." Kona Coast Supplies, a supposedly legitimate fertilizer store, began operating in 1986. The company's three employees were actually state narcotics agents.

In a matter of months Kona Coast Supplies became an all-purpose pot clearing house. Customers were offered not only the usual farming supplies, but services that included sale of marijuana seeds, co-ordination of pot sales, and assistance in shipping marijuana. Apparently, the "employees" gained the trust of many growers, although others were suspicious of such blatant activity and kept away.

After a year and a half of running the store as a pot-handling enterprise, the facade was dropped this spring and the arrests began. To date, 44 indictments on charges of possessing and promoting (selling) marijuana have been handed down. Unconfirmed reports of many more pending indictments continue to circulate, rumors fed by the fact that, at press time, 20 of the 44 indicted have accepted plea bargain arrangements from the state prosecutor's office.

Most of the charges involved small amounts of marijuana (two to ten ounces). Defendants were given just one week to decide whether to go to trial (and face sentences of up to five years on each count), or to accept the plea bargain (and accept sentences of one to one and a half years). If a defendant pled guilty, jail time began within three to four days after sentencing.

The unusual speed with which these cases were settled (evident in the code name "Operation Rabbit") can be traced to the attitude of the presiding judge, Paul DiSilva, who is said to have visited the prosecutor's office and purchased an "Operation Rabbit" T-shirt for his personal use. Other sources claim that Judge DiSilva's son died in a "drug-related matter," and that he is known to favor harsh justice for drug offenses. During pre-trial hearings, several requests by defense lawyers for a change of venue due to pre-trial publicity were denied by Judge DiSilva.

The officials claims that nearly 30 percent of the marijuana growers on the large island of Hawaii have been put out of business. Unofficial sources admit that the sting has made a major dent in the Hawaiian marijuana trade, but indicate that the many still-active growers are now planting even more acreage to take advantage of the current high prices caused by the temporary, relative scarcity of premium Hawaiian pot. Prime Hawaiian pot, for years considered by many to be the best in the world, is now difficult to find and sells for a fairly high price: \$2200-2400 per pound, \$300-400 an ounce.

Crackdown on Pot

The recent sting operation is the latest effort by law enforcement officials to curb Hawaii's flourishing marijuana business. In past years, local officials conducted a "green harvest," using airborne surveillance to locate pot fields shortly before harvest time in late summer/early fall. Growers knew that the police waited until just before harvest to enhance the amount and the dollar value of the marijuana they seized, and therefore timed their harvest to take place just before the police raids. An estimated 10 to 20 percent of the crop was seized each year, an amount that

H I L O , H A W A I I

satisfied local law enforcement while leaving a substantial amount of pot for harvest and sale by marijuana traders. In addition, relatively few arrests of major potgrowers were made. Last summer, Hawaiian police violated these unwritten rules and launched their raids early in the summer, claiming to capture an unprecedented 600,000 plants, a sharp increase over the amount of pot seized in previous years.

This change in local law enforcement procedures, followed by "Operation Rabbit," has resulted in major setbacks to the Hawaiian marijuana business. Sources offer two reasons for the crackdown. The Reagan administration's intimidating stance toward local governments—threatening to withhold federal funds for a perceived laxness in prosecuting the "war on drugs"—is one obvious stimulus. Another pressure is an economic one. Most of the pot grown on the island of Hawaii is farmed on the relatively undeveloped west coast. Over \$600 million worth of luxury tourist hotels are planned for this area, and some sources claim that real estate

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HIGHWITNESS NEWS

AUGUST '87 • NO. 144

PISS FREE OR DIE!

In four recent court cases, federal appeals courts have upheld the constitutionality of rules subjecting public employees to random drug tests, *even in cases where there is no reason to suspect drug abuse*. These appeals courts rulings have reversed previous decisions in state and lower federal courts over the last 18 months which had affirmed the right to privacy as spelled out in the Fourth Amendment to the Constitution (protections against "unreasonable searches and seizures") as a barrier to such testing.

While the issue will not finally be decided until it reaches the Supreme Court, these recent reversals point to a current legal trend toward allowing drug testing on a random basis. (Although many previous Supreme Court judgements have reaffirmed that the Constitutional right to privacy protects against governmental intrusions, the Court has not yet ruled on drug testing specifically.)

When a drug testing case finally does reach the Supreme Court, the arguments should settle what civil liberties lawyers are calling "the most significant privacy issue of the decade."

HIGHER COURTS BACK THE PRESIDENT

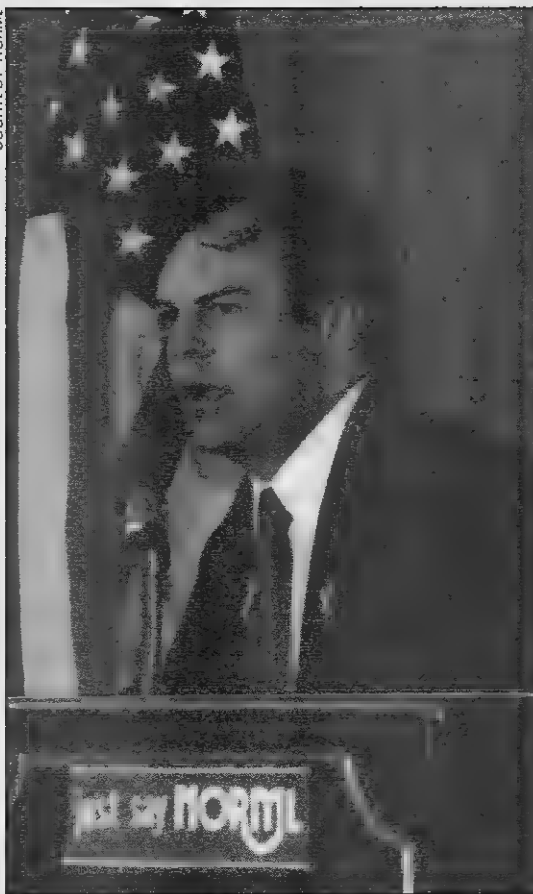
"Before, we had virtual unanimity in the lower courts against drug testing," says

continued on page 29

FIGHT FOR LEGAL WEED LIVES! NORML Bigwigs Meet

by Steven Hager

COURTESY, NORML



● Jon Gettman—National Director of NORML

The legendary Keith Stroup, founder of the National Organization for the Repeal of Marijuana Laws (NORML), made a rare appearance at the organization's annual convention on May 8th and 9th in Washington, D.C. Although the conference was sparsely attended, morale was high.

It's no secret that NORML has weathered a decade of apathy and financial difficulty. However, thanks in large part to the indoor gardening revolution, NORML seems to be entering a more stable and productive period in its lobbying effort to legalize marijuana.

In his first appearance as National Director, Jon Gettman released figures for NORML's annual crop report for 1986. Apparently, even NORML has been underestimating the number of marijuana smokers in America. "Since it is believed 30 mil-

lion pounds of marijuana are consumed annually in this country, the number of pot-smokers must be over 50 million," said Gettman. "The government wants it both ways: They want more money for eradication budgets based on consumption, but at the same time, they pretend the 'problem' isn't so widespread they can't control it."

Gettman also spoke on the effort in Alaska to criminalize marijuana use. (Growing in Alaska for personal

OMI didn't pass, but 270,000 Oregon voters agreed to let residents grow ALL the pot they wanted.

use has been legal since 1975. See "Normlizer," p. 25.) "Only the facts can combat hysteria and ignorance in the war on drugs," said Gettman. "The most ridiculous claim is that marijuana has become stronger, so all the studies done in the '70s that said it was harmless are no longer valid." Gettman asserted that THC content has always varied. "Potent varieties have always been available," he said, "but the drug itself is unchanged."

Another important address was delivered by John Sajo, director of the Oregon Marijuana Initiative (OMI). After collecting 85,000 signatures, OMI managed to place a referendum on the ballot legalizing "private" use of marijuana. Run by a tiny group of dedicated volunteers, OMI suddenly found itself pitted against all the resources the Reagan administration could muster, including a personal visit by Vice President George Bush, who campaigned against the initiative.

Sajo admitted the initiative (which was supported by only 23% of the voters) suf-

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SEXIST, RACIST ART SCUM

NEW YORK ART MUSEUMS—non-profit, tax-exempt organizations that receive government funds—have been charged with racial and sexual discrimination by a subversive, underground protest group. At a recent informational show called *The Guerilla Girls Review the Whitney at the Clocktower Gallery* in downtown New York, the Girls offered statistics showing that, from 1973 to 1987, 71% of the artists selected for the prestigious *Biennial* shows sponsored by the *Whitney Museum of American Art* were white males. While 24% of the artists were white females, only a shocking 4% were non-white males, and an infinitesimal .30% were non-white females. The *Biennial* exhibited **no works** by any Hispanic, black, or Indian women.

In addition to exhibitions like the *Clocktower* show, the *Guerilla Girls* have been attacking the sexist and racist policies of all major New York museums and galleries with incriminating street posters. "We feel that what the *Guerilla Girls* have to say is important," Tom Finklepearl, the *Clocktower* director, told the *New York Daily News*.

That's obvious. And the *Guerilla Girls*' efforts should be applauded. But it would be nice if somebody would also mention that museums and galleries should stop discriminating against artists who produce small paintings, drawings, cartoons, pottery, or anything else the art establishment doesn't understand. Art is **not** just big paintings on canvas.

SHORT FLASHES

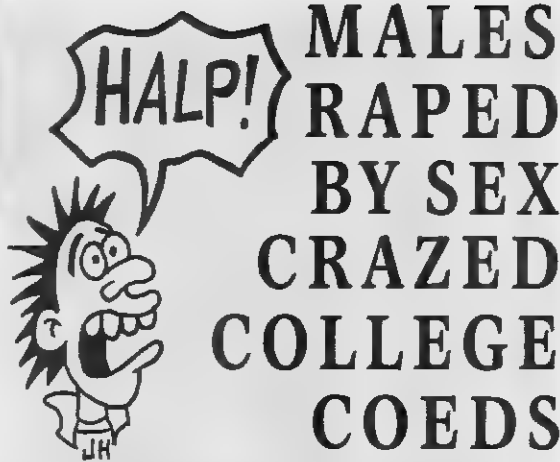
XXX-RATED!—Charges of news censorship by the military in the European and Pacific editions of STARS AND STRIPES, the official newspaper of the armed services, were brought up recently by Sen. William Proxmire of Wisconsin, who called for an investigation....

SATELLITE SPOTS POT—(Rio de Janeiro) An estimated 30 million marijuana plants went up in smoke at the hands of Brazilian police on a pot plantation pinpointed by satellite photographs. Four men who worked the huge fields were arrested....

BRILLIANT—That's what Reagan's plan for preventing AIDS is. Reagan says the subject of sex shouldn't be treated "like a physical thing such as eating a ham sandwich," and that when the use of condoms is proposed for teenagers, teaching morality should go along with it. If you know what a tookie bandit Reagan was during his Hollywood years, well, you sure hope he was using condoms, 'cause he sure wasn't into abstinence....

SMOKE IT UP, BABY!—New York smokers won a big one when state Supreme Court Justice Harold Hughes threw out a tough statewide ban on public smoking. Hughes, a conservative Republican who admits to being a health nut, is a firm believer in keeping the government out of the public's hair....

MOONSTRUCK—On April 22, Sheldon Palmer, a gym teacher at Robert F. Wagner JHS, located in the prestigious Upper East Side of Manhattan, reportedly made obscene remarks to a 13 year-old student who had made him the butt of jokes and called him "skinny legs." Sheldon then allegedly dropped his pants and bared his ass to the boy in front of about 20 students, including several girls. According to Board of Education President Robert Wagner, Jr., "this kind of incident is not as infrequent as it should be."



MALES RAPED BY SEX CRAZED COLLEGE COEDS

ACCORDING TO A REPORT in the June issue of GLAMOUR magazine, increasing numbers of male college students are being forced into having sex. A survey taken at the University of South Dakota showed that, while 22 percent of the females reported that they had been "forced" to have sex, a surprising 16 percent of the males also were victimized by "date rape."

Psychological pressure, blackmail, and even physical tactics were used to seduce these poor men by their dates, who simply had to get some. One man claimed he was "thrown on the bed and forced." Another said, "She grabbed a body part and wouldn't let go until I had sex." Yet another reported, "She was all over me—I literally pushed her off, and she wouldn't take 'no' for an answer."

Dr. Cindy Struckman-Johnson, a psychology professor, said the problem "is more widespread and traumatic for women."

F.A.A.CIST BASTARDS

IN ITS APRIL 22ND EDITION, the New York Times ran two stories side-by-side. One read "U.S. Courts Allows Use of Drug Tests," and reported that a federal appeals court ruled that the U.S. Customs Service could require applicants to submit to piss tests. The other read, "Agency Chief Says F.A.A.'s Lab Did Inconsistent Work." That story explained how government investigators have found "inconsistencies" in the operation of the F.A.A.'s laboratory that's responsible for testing airline and railroad workers who indulge in pot and booze. Ridiculous, right? Then, less than a month later, Michael Sergio, whose terrible, awful crime was parachuting into Shea Stadium during the 1986 World Series, was thrown into jail for six months by those F.A.A. dickheads. Not only that, but they fined him \$100 a day until he named the pilot. (Sergio refused.) Sergio's lawyer, Richard Simon, characterized the sentence as a "public flogging." Assistant U.S. Attorney Suzanne Skinner answered, straight-faced, that "we were lucky no one was hurt. The F.A.A. must investigate."

There is a strong movement to free Sergio, but at press time, he was still in prison. The F.A.A.'s mistreatment of him is very similar to DEA tactics—put 'em in jail until they talk. Why pick on a little guy like Sergio, who listed his assets as \$200 and a 1972 auto? Those Fascist Authoritarian Asswipes should stop flexing their muscles and leave the poor guy alone!

\$700 GRAND O.D. AWARD

A FEDERAL JUDGE has ruled that the U.S. government has to pay \$700,000 to the family of a man who died of a drug overdose in a secret chemical warfare experiment. On December 5, 1952, Harold Blauer voluntarily entered the New York State Psychiatric Institute in Manhattan, suffering from depression. He received injections of mescaline derivatives, not knowing he was a human guinea pig in a sick, Nazi-like medical experiment. The government tried to cover up their part in these diabolical tests, but an unrelated Congressional inquiry in 1975 uncovered documentation about the true nature of Blauer's "treatment."

NUDE BEER

SHOULD BE HITTING THE SHELVES OF YOUR FAVORITE SUPERMARKET OR LIQUOR STORE SOON. THE GIMMICK IS, IF YOU SCRATCH THE BIKINI OF THE WOMAN ON THE BOTTLE, YOU GET A CHEAP THRILL. STATE LIQUOR AUTHORITIES ACROSS THE COUNTRY ARE WRESTLING WITH THE QUESTION OF WHETHER PREVENTING ITS SALE IS A VIOLATION OF FREEDOM OF SPEECH OR PRESS. WHAT'S NEXT? NUDE BAR SNACKS, OF COURSE!

GO-GO GIRL OF THE MONTH

COURTESY: CBS



SUSANNA HOFFS is the lead singer for the Bangles, whose influence on the current music scene has yet to be appreciated. Let's put it this way — a lot of different artists and musicians have attempted a '60s revival over the years. But until the Bangles, who adopted the hippie fashion look of 1966 and 1967, put it all together, no one took a psychedelic-revival seriously. The number of bands who are now following their lead and bringing back the look and the sound of the sixties is amazing. So, partly as a tribute to the Bangles, and also because Susanna is one of the foxiest Q.T.s in the world, we've made her our first-ever Go-Go Girl of the Month!

"CRAZY" JUDGE IN ORGY SHOCKER

THOMAS CAVE, a prominent judge in Fort Worth, Texas, went on trial for allegedly engaging in sexual orgies with hookers and other female defendants in exchange for lenient sentences. Monica Cozby (no relation to Bill) and Dedria Nelson gave testimony that they had sex with Cave, his 31-year-old son Paul, and other women, all at the same time, after being told he'd help them with their cases. Cave's defense lawyer, Tim Evans, said the judge went "middle-age crazy."

Cave was charged with violating the civil rights of the women by coercing them into sexual activity, but was found guilty only of mail fraud: The law-and-order but love-struck judge mailed his promises!

OOOPS!

A MAN who drove up to a church and fired a shotgun into the windshield of a parked car, killing a woman inside, was arrested while calling the police to confess that he'd just shot his wife. The killing, which took place on Mother's Day afternoon in Rochester, New York, was a classic case of mistaken identity. The gunman, retired Army Sgt. Percy C. Washington, shot the wrong woman.

"I'm sorry about the other woman," Percy said. "I meant to kill my wife. But I forgot my glasses."

What was that George Carlin said about military intelligence being a contradiction in terms?

ALL TESTS SUCK—Those do-goodniks are at it again, calling for mandatory AIDS tests. The same problems plague their half-assed AIDS test plans—unreliability of testing methods, violations of constitutional rights, etc. Everyone who tests positive for AIDS doesn't die of it. But many people, on learning that they test positive, develop the symptoms and die. The stress of knowing brings on the disease. Yeah, mandatory tests are a wonderful thing, aren't they?....

SAFE SEX OR ELSE!—A cousin of the AIDS virus, called HIV-2, is expected to have the same ravaging effect on society....

MORE SAFE SEX—Meanwhile, good news on the AIDS vaccine front! Scientists say that different strains of the disease share "soft spots" that can be attacked by antibodies. Although a vaccine may be years away, finding a cure for the plague is, hopefully, within sight....

BUSTED COPS ON THE RISE—In New York City, arrests of police officers for sale and possession more than doubled in 1986. Police bigwigs are calling it the No. 1 corruption hazard. Overall, 240 police officers were suspended, arrested, or otherwise disciplined in 1986, the most since 1975, when special investigations busted the force wide open, as detailed in the movie *PRINCE OF THE CITY*....

BIGGEST COKE STING EVER—On May 6, 1987, three of Colombia's top drug kingpins were captured by DEA agents with the help of Panamanian authorities. The operation netted 350 arrests and more than 19,000 pounds of coke, with a street value of \$270 million....

WHAT'S SO GREAT ABOUT IT?—The Great America theme park in Santa Clara, California, launched a security offensive against rowdiness last Easter, sending warning posters out to high schools that cutting in-to lines and throwing things at people were misdemeanors. Violators face six months in jail or fines of \$1,000. Boy, for a fun park, they sure don't know much about fun....



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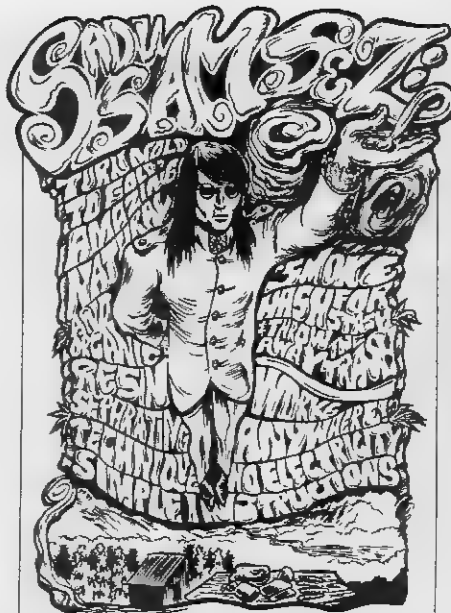
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HAWAIIAN STING

continued from page 20

developers and businessmen with interests in the tourist trade have pushed local politicians to clear the potential tourist zone on the west coast of "hippie weirdos" who smoke and grow pot. (Prior to last summer's raids, and the recent sting, Hilo mayor Dante Carpenter had been noted for his low key policy toward enforcement of marijuana laws.)

Pot: Big Business for Hawaii

Acknowledged for years as a principal underground business in the economically depressed islands, the marijuana trade has long operated in an atmosphere of tolerant symbiosis between pot businessmen and local law enforcement. With an economy dependent on the tourist trade, and with a high unemployment rate, Hawaiians turned to marijuana as a major business over the last two decades: NORML's 1986 marijuana crop report estimates the value of the Hawaii crop at 1 billion, 722 million dollars. Some sources claim that as many as 30,000 Hawaiians are engaged in marijuana growing. Law enforcement officials offer lower though less precise figures, but admit that a substantial number of citizens are involved in growing and/or selling pot.

Citizens Protest

In a grass-roots reaction to these developments, a citizens' group has been formed to lobby for reform in the marijuana laws. At a press conference held in Hilo in mid-May, the Marijuana Issue Political Action Committee announced its purpose as that of an educational and political lobby. "The many potgrowers and smokers on this island will no longer passively tolerate government intervention or harassment," said MIPAC spokesman Ron Olson. "We are going to educate and agitate for reform along the lines of the Oregon Marijuana Initiative." At press time, a rally was planned for the Hilo Tennis Stadium in July, featuring local political figures, panel discussions, a chile and rice "pig-out" eating contest, and rock music. MIPAC claims that local politicians, aware of the economic necessities that encourage Hawaiians to become involved in the marijuana business, are susceptible to more enlightened attitudes toward law enforcement than those evident recently. For more information, contact MIPAC, 688 Kinoole St., Suite 104B, Hilo, Hawaii (808) 935-0804.

Once again, the "War on Drugs" seems to have brought to a crisis point the many legal, economic, and political issues which swirl around the current marijuana policies.

Caveat

And remember, any sane grow store will NEVER discuss marijuana cultivation with its customers. They're under too much heat, trying to operate legitimately in public. Any grow store that does inquire about pot growing has to be viewed with extreme prejudice. If this sting has worked once, they're bound to try it again. ●



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NORML — IZED

THE BIG CHILL: Alaska's Proposed Pot Law

By JON GETTMAN, NORML Director

(The following testimony was given to the Senate Judiciary Committee on May 1, 1987 during a public hearing on Senate Bill #32, which if passed would **recriminalize** marijuana use in the state of Alaska.)

Mr. Chairman, members of the committee, citizens of **Alaska:** My name is Jon Gettman and I am the National Director of **NORML**, the National Organization for the Reform of Marijuana Laws. Founded in 1970, **NORML** is an educational organization dedicated to the review and study of marijuana use, marijuana laws, and their effect on our society.

The **Marijuana Tax Act of 1937** marked the beginning of federal attempts to deter marijuana use by making it illegal. And here we are, **50 years later**, living proof of prohibition's ineffectiveness, still discussing whether criminal penalties are appropriate for marijuana use.

Alaska has the respect and admiration of people around the world for its integrity on the matter of marijuana use. They are impressed by your dedication to the principle of privacy, which Justice Brandeis once remarked is the cornerstone of all our freedoms. We are impressed by Alaska because we know that your dedication to privacy is founded on a deep conviction to the ethic of personal responsibility.

Others, though, respect your laws because they are practical. They envy you in that respect, wishing the political climate in which they work would allow them to devote their time to more serious matters than debating adult marijuana use at home.

There have been repeated challenges to the policy of arresting marijuana users over the last 25 years that have discredited many of the old excuses justifying prohibition. The

emotional voices calling for the imprisonment of marijuana users come up with some new excuse every few years. The latest is that because marijuana is, on average, more potent today than ten years ago, it is somehow more dangerous; more subtle is the implication that this increase in its potency renders previous research irrelevant.

The claim is that the more potent marijuana of the '80s is a new, different drug than the one many adults tried in the '60s and early 70s. First of all, as with alcohol, marijuana smokers compensate for a higher potency by simply using less. Secondly, high potency marijuana has been on the market, so to speak, for thousands of years under the name hashish. Though hashish is manufactured from the resins of oils of marijuana, pharmacuetically it has a high level of THC. This claim is part of a long historical trend of believing that despite the discrediting of previous scare stories about marijuana, new evidence emerging from research will finally prove that marijuana really is as bad as **"they"** said it was. It is this historical context that causes me to treat these claims with more than a bit of skepticism.

The National Academy of Sciences conducted a review of all the literature about marijuana. The study was chaired by Arnold S. Relman, editor of the **New England Journal of Medicine**. Their report, **Marijuana & Health**, was published in 1982. There have been no new developments since that time to contradict their findings. Just as in a court of law, there are rules of evidence by which to evaluate research claims. Without exception,

the "dangers" of marijuana fail to satisfy those rules of evidence to the satisfaction of the National Academy of Sciences.

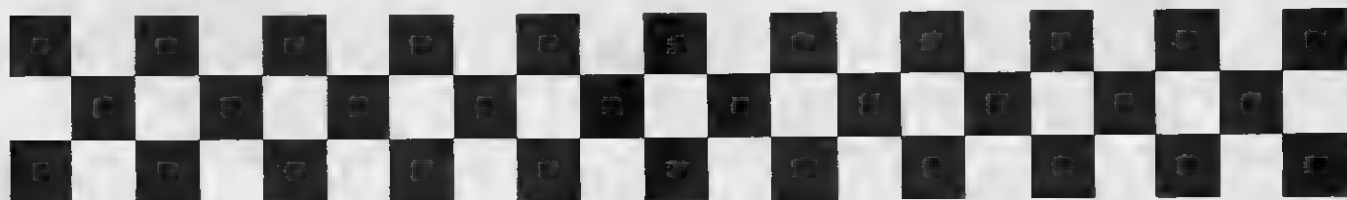
Let me address this bill pointedly. It is based on several "findings" that are without foundation. First of all, THC, the drug's active ingredient, does not, I repeat, **does not** lodge in the fatty tissues of the body for 30 days, as Finding Number One reports. Findings Number One and Number Two (which claims that this buildup cause "loss of sleep," "moodiness," and "restlessness") are simply wrong. THC is broken down by the body in a few hours, when the high associated with it wears off. It is the by-products of this chemical breakdown that lodge in the fatty tissues for several weeks. **These have no effect on the body whatsoever and there is not a single study that proves otherwise.** So there is no "buildup" of THC.

Finding Number Three, which claims "it is possible for a human being to overdose from marijuana," is also factually incorrect. Marijuana is one of the least toxic drugs known. You can not overdose from smoking marijuana. Furthermore, marijuana does not interact with alcohol, as other drugs do, and increase its potency. Any toxicologist familiar with marijuana will confirm this fact.

To the extent that marijuana and alcohol are both intoxicants, their use in conjunction, and to excess, would be irresponsible, and in some circumstances, dangerous.

Finding Number Four concerns the accusation that marijuana is more dangerous today because it is more potent. The "finding" also claims that marijuana averages a THC potency of 10 percent; actually, the average potency of marijuana these days is closer to 3.5

continued on page 28



TRANS-HIGH QUOTATIONS MARKET

MAJOR MARKETS

Austin, TX	Mexican pot, seeds & stems, "S.O.S., same old shit"	1/4-oz	15-20
	Good red hair comers	oz	55-65
	Good brown sinse buds, "do I detect a hint of gold?"	1/4-oz	25
	Exotics, real	oz	80-85
	Afghani, "hydroponic grown, coma inducing"	1/4-lb	200-220
	Shrooms, good <i>psilocybe cubensis</i> , "lots of bunk shrooms going 'round"	1/4-oz	30-35
	Ecstasy, blue speckled death	oz	85
	Ecstasy, brown pillow walker, "totally new, killer!"	oz	250-up
	LSD, Kaleidoscope, "great, whoosh, what a concept"	1/4-oz	55
	LSD, Clown, "square, major strychnine, 'headfryin'"	one	30
Chicago, IL	LSD, Musical Note, "good, lo mics"	one	95-100
	LSD, Golden Key, comparable to Kaleidoscope	one	17-20
	Avg. <i>sativa</i> , light and dark green, "good buzz, a little tiring"	one	20-up
	Dirtweed, looks like old Colombo brown bud, lotsa seed, "killer buzz"	one	5
	Choice <i>indica</i> buds, light green, very aromatic, "fantastic high, almost trip-like"	one	5
	Brown Colombo, "same old shit"	one	can't find
	Good green semi sinse, "not enough to meet demand, supply comes & goes"	one	4-5
	Coke, "overpriced shit for yuppies"	one	5-6
	Mexican: green & buddy, but some shake	one	25
	Jamaican: brown & harsh, potent, "some sticks, but that's the way it is"	one	95
Memphis, TN	Jamaican sinse: brick, "stone, but sleepy"	one	5-6
	Thai brown & aromatic, "hits hard, sends you sailing"	one	25
	Indoor red-hair sinse buds, wet, sticky, seedless, dense buds, "expensive, but worth it"	one	25
	Mushrooms, "reputedly mind fucking, we'll get them next week"	one	25
		one	25
		one	25
		one	25
		one	25
		one	25
		one	25
New York, NY		one	25
		one	25
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		one	25
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AROUND THE U.S.

Annapolis, MD	<i>Indica</i> buds, "growers only"	1/4-oz	60
	Jamaican, "fair quality, low supply"	1/4-oz	45
	Mexican sinse, "lots, varies in quality"	oz	150
	Commercial, "seed weed"	oz	40
	Mushrooms, "here & there"	oz	140
	LSD, Camouflage	hit	4
	LSD, Globes	hit	4
	LSD, White Blotter	hit	3
	LSD, Grateful Dead, "liquid drops, clean & pure"	hit	100
	Cocaine, "who cares?"	hit	100
Ann Arbor, MI	Indoor <i>indica</i> Bud, "sweet & potent"	gm	100
	Indoor <i>indica-sativa</i> , mind-warping, loads of resin, "A-square red-hair"	oz	1600
	Commercial <i>indica</i> , "hashy buds, shakey, but worth it"	oz	200-250
	Commercial <i>indica-sativa</i> , "good high, seeded"	oz	2000-2500
	Commercial <i>sativa</i> Sinsemilla, "stemmy, not shake, small buds, medium stone"	oz	200-250
	Hash, red, "nice taste, O.K. high"	oz	2000-2500
	Mushrooms, "you can trust these to give you a strong body buzz"	oz	100-125
	LSD, White Blotter, "clean & strong"	1/4-lb	300-350
	LSD, Buffalo Blotter, "from Berkeley, 12 good hours"	oz	150
	LSD, Album Cover, Blotter, "lots of nothing, avoid"	oz	100
Asheville, NC	Coke, "stomped on, even the rocks suck"	gm	100
		8-ball	300
Cambridge, MA			
Cincinnati, OH			
Doug County, OR			
Indiana, PA			
Kingston, RI			
MAINE			

Asheville, NC	Madison County sinse, not many seeds, "big, green buds"	1/4-oz	30
	Jamaican, brick, "comes & goes"	oz	110
	Afghan #1, big Gungu buds, "very strong stone"	1/4-lb	250
	Mexican, quite seedy, "pretty regular, O.K. buzz"	1/4-oz	40
	Shrooms, "not very often"	oz	125
	Acid, blotter	1/4-lb	325
	Acid, microdot	oz	35
	Coke, "pretty clean shut"	oz	120
	Indica, "where'd it come from?"	1/4-lb	325
	Hawaiian sinse, "a long way from home, but good shit"	1/4-oz	30
Cambridge, MA	Homegrown Vermont, "sucks"	oz	110
	Hash, "shit"	oz	110
	LSD, White Blotter, "time warp"	gm	10
	LSD, T, "we're all turned on"	hit	3
	Crack, "none to be found, the way it should be"	one	4
	Speed, "when will they learn this stuff just ain't fun?"	hit	6
	Jamaican <i>sativa</i> , pressed, "two-toke, cosmic, holding down price"	hit	6
	Local indoor, "killer, you'll regret, cough"	1/4-oz	80
	<i>Indica</i> , "various types & places"	oz	150
	<i>Sativa</i> , commercial, "local, Mex.?"	lb	1500
Doug County, OR	LSD, Global	hit	2
	Strong sinse, "heavy"	sheet	100
	Mushrooms, "average"	1/4-oz	35
	LSD, Blue Globes, blotter, "will knock you down"	oz	120
	Coke, "garbage, don't waste the time or money"	1/8-oz	24
	Hi-tech hydroponic Skunk #1, "scarce, expensive, well worth your money"	hit	5
	Domestic sinse, "nothing to write home about"	oz	160
	Ecstasy, "intense high, not for the timid"	1/4-lb	500
	Cocaine: "mega rocks, great & unspeedy coke high"	hit	20
	Northern Lights #1	gm	120
Indiana, PA	Northern Lights #5NL2	lb	2500
	Big Bud, "very potent stick buds"	lb	2500
	Thai, lime green-golds, "primo"	lb	2000
	South African DPX34, "nice taste"	lb	2000
Kingston, RI			
MAINE			



LETTERS

WASHINGTON

I have only smoked the best indoor grown indica around, but I cannot wait until the magic field shrooms come out. I know where the best shrooms grow, and they are right under everybody's noses, when in season. As far as LSD is concerned, I have eaten a lot of acid that has been going around. Starting from Windowpane I bought in San Francisco in 1979, I have traveled through the cosmic dimension of the famous Purple Microdot, Red Star microdot, White Barrels (trash!). But some of the best and cleanest acid I've eaten is Micky Mouse blotter. I especially liked the August 1986 issue, the story of the **Acid Apocalypse**. When I read the name Mr. Bill, I knew exactly what he was talking about, because I have experienced Mr. Bill Acid, too—around the same time in 1980. Right now the acid that is going around is blotter. In the last couple of years, I have been eating 4-Way Star, the Star covering four tabs. That was an intense trip on a tab and a half. Lately, I've had Love Acid blotter. That was clean. And I have been eating a lot of White blotter. It seems to be getting better every time. I hear there's a brand new batch fresh from the press. I'm sure eventually I will gaze upon that too. Maybe next week, but for right now I have just received a new smoking device, so I got to smoke.

The Jay
Seattle, Washington

ARKANSAS

I am a reader of **HIGH TIMES** and have been for years. I read here in THMQ, May 1987, that shroomz cost \$25 a quarter in Ft. Worth, \$15 a gram in Martha's Vineyard, and \$325 a quarter-pound in Raleigh, North Carolina. Bullshit! I live in Frog-Level, Arkansas, an' I'm a dedicated over-amp of the elektrik magical mushroom. I'll turn better product. You can get 'em brewed, dried, or fresh outta' shit like we do it here. Hell! You boys got any balls, send some hippie down here to Frog-Level and I'll give him **one** shroom and he'll be the happiest hippie on earth all night! By the way, the best bud I ever seen or smoked grewed here off in the swamp down in Pon Creek Bottom in a sho-make thicket along an old burn row! You want shroomz for cheap & beautiful, see Arkansas. Haw, City Boys!

Hum Dinger
Frog-Level, Arkansas

IN THE BOONDOCKS

Hagerstown, MD	Good sinse with red-hairs on buds,	1/4-oz	40
	"great deals, great buzz"	1/2-oz	80
	Shitty Jamaican, "small deals, shitty buzz"	1/4-oz	40
		oz	160
	Shrooms, "health deal, great buzz"	gm	10
	Acid, White & Blue Blotter, Globe, Led Zepplin symbol	hit	5-7

JAMAICA

NEGRIL:	Indica	huge buds, "fine"	oz	10
	Saliva	"2 toke freedom"	lb	250
	Saliva	"guaranteed U.S. Customs-proof"	lb	500
	Hash	"good, not great"	gm	4-6
	Shroom Tea	"dreamscape"	cup	1.60

Tucson, AZ

Black hashish,	gm	10
"around during drought, moist & sticky"		
Honey Oil, "very scarce"	liq. gm	60
Acid, White	hit	6
Acid, Blue	hit	5
Acid, Globe	hit	6
Coke, "nice rocks"	gm	100
8-ball	325	
Red-Hair, from below the border.	1/4-oz	25-35
"really potent shit, 3 hits & you're gone"	oz	100-125
Skunk, crystalizer resin on buds, "killer shit"	lb	1200-1400
Freeze-dried shrooms, "smoke your bag & your vision might blur"	gm	10
Acid, Checker-board, good hallucinations, "only for fry-brains"	hit	5
XTC, "everybody loves it"	hit	15
MDMA, "good stuff"	one	10-15
Domestic sinse, fair to good, "some is really good deal"	1/4-oz	25-30
SK#1, "the real thing," gone the same day every time, from S.S.S.C. seeds	1/4-lb	275
Khyber Afghani-Nigerian hybrid, "incredibly sweet, pungent, & very powerful; resin city; S.S.S.C. seeds"	gm	10
Domestic Brown, "don't bother"		
Black Afghan Hash, "sweet, moist, & smooth; well worth the hunt to find it"	gm	11
	1/4-oz	60
Mushrooms, "very good quality, from good people up North"	gm	10
Coke, "samo, samo; who wants this stuff?"		
Smoke, "good buddy sinse & a nice high in the sun"	1/4-oz	35-40
Leafy Vermont, homegrown, "basically bullshit"	1/4-oz	25-35
	oz	150-175
Hash, "can't be found easily"	gm	15-20
Mushrooms, "straight from New Hampshire"	gm	10
LSD, many kinds, leftover Grateful Dead sheets, "great times here"	hit	3-5
Coke, "stepped on too many times en route from Florida"	1/2-gm	50
	gm	100

Wichita, KS

Durban-Chitral	oz	200
Chitral Tuguegaro	lb	1800
William's Wonder, "small, compact indica"	lb	1800
Afghani-Malawi	lb	2000
Mazari Sharif, "small bud but very potent"	lb	2000
Hawaiian sativa, "let's go sailing"	lb	3400
Khyber Afghani, "honey oil, very strong"	liq.-gm	50
Jamaican Lams Bread, "home run hitter"	lb	2000
Hawaiian sinse "straight from source"	1/4-oz	50
Real dry indica	1/4-oz	45
	oz	120
Krypto, "the real shit"	1/4-oz	100
	oz	300
Hash oil, "bad ass shit"	2-gms	40
Mushrooms	gm	1
LSD, Green Globe, Blue Dahlia	hit	5-7
Cocaine	gm	75-80
	8-ball	175
	1/4-oz	40

Melbourne, FL

Morgantown, VA

New Haven, CT

Oklahoma City, OK

Omaha, NE

Orange County, CA

Suncook, NH

Weed, shitloads, "usually good, red-haired sinsey or better"	gm	10
Hash, when around, "damn good buzz"	gm	5-7
Shrooms, "hide your dope"	hit	5-7
Acid, Global Blotter, "intense as hell"	hit	3
Acid, Blue Diamond Blotter, "fun"	hit	4-5
Acid, White Blotter, "mind-searing"	oz	250
Skunk indica bud, "the best"	1/4-oz	50
Red-haired buds very compact, "great"	oz	200
Homegrown, shitty buds, seeds, "bad news"	oz	125
Mushrooms, "great trip"	gm	7
	1/4-oz	50
Ozark home sinse, "stone sleeper"	oz	100
Jamaica, "brown and sweet"	oz	100
Belize, "dry, but good"	oz	60
Mushrooms, "they work"	gm	4
LSD, various blotters	hit	5
MDMA, shit, mostly analogs, PMA?	hit	20
Whiskey, "wildly consumed by all ages"	bottle	5-10
Sinse, "above average"	1/4-oz	30
	oz	110
	1/4-lb	300
	1/4-oz	35
	oz	125
Mexican Red-Hair more shake, more seeds, more stems, "not as good as above, but more \$"	1/4-oz	40
	oz	140
Indica weed: small, green buds, no shake, no seeds, "good taste & buzz"	1/4-oz	45
	oz	150
Hydro-Halide	1/4-oz	50
Hawaiian: good-sized buds; fresh, juicy, & delicious; "at least some body know what they're doing"	oz	180
LSD, blotter, "generally all good quality"	hit	5
Green sinse, "big, green buds, rare to see seeds"	1/4-oz	50-60
Colombian, brown & seedy, "brings back old memories"	1/4-oz	25
	oz	100
Hawaiian Thai, "good shit"	1/4-oz	60-up

percent. A slight digression will further underscore its irrelevance.

Experts are now realizing that the key to understanding drug related problems is to focus on addictive personalities rather than arguing about the relative addictiveness of different drugs. Present theory holds that, for a variety of reasons, some people are prone to abuse drugs, any drugs, legal or not. The potency of the drug is irrelevant for these people. An alcoholic is no less off the wagon for drinking beer than he or she would be for drinking vodka. The increased potency of marijuana makes it no less and no more dangerous than it was ten years ago, which is, relatively speaking, not dangerous at all.

Marijuana does not cause schizophrenia, illusions, or hallucinations (as Finding Number Five claims) and the only pain it can dull is that of headaches, muscle soreness, or cramps—which by the way is why urinalysis tests confuse the metabolites of marijuana with those of ibuprofen, the active ingredient in Advil. The possibility that marijuana makes the body unresponsive to severe pain, as the finding claims, is just not so.

There is no doubt that long-term marijuana smoking will increase someone's likelihood of lung disease or lung cancer, as in the case of smoking tobacco. Our lungs, it seems, are not made for smoke.

The claim that one marijuana cigarette a day for three years will cause cancer is preposterous. Millions of people have smoked far more marijuana than this for far longer, including, I admit, myself, and there are not millions of cases of lung cancer to prove this claim. As with the rest of the findings this bill is based on, this claim is contradicted by the Relman report.

Furthermore, examinations commissioned by the British government in 1894, by Mayor LaGuardia in New York in 1944, by President Nixon in 1972, by the LeDain Commission in Canada in 1974, by the Australian Royal Commission in 1977, by the National Academy of Sciences in 1982, and also by a British Advisory Council Report to the Home Secretary in 1982 have all concluded that these claims about the "dangers" of marijuana use are without foundation. Marijuana has been around for thousands of years, and it has not essentially changed during the last ten.

The simple fact is that marijuana users have found it to be relatively harmless. It is also clear that many other people just don't like this fact. Rather than leave this matter of choice to the individual as an issue of personal responsibility, some would rather have the state make that decision and intervene in the private lives of its citizens. This is what the invasion of privacy is all about, and if that is the intent of your law then you should be honest and change your findings to this simple statement: We find that many Alaskans don't like marijuana use by their fellow citizens because they are afraid of it.

And before I continue, let me share with you what my organization tells the public about marijuana use. It's bad for the lungs, and a waterpipe should be used to filter out some of the tars. It raises the blood pressure in some people, and should be avoided for that reason by people with cardiovascular problems. The use of marijuana during pregnancy may contribute to a slightly smaller birth weight for the fetus, similar to alcohol or tobacco use during pregnancy; NORML advises women to cease marijuana use during pregnancy, as well as alcohol and tobacco. Marijuana causes short-term impairment and should not be used in conjunction with work, driving, and/or the use of heavy machinery, or under any circumstances by adolescents. And yes, gentlemen, it is true that marijuana slightly suppresses sperm production. However, this has no effect on fertility or chromosomes, as the Relman report confirms, and as do the several married couples of my acquaintance.

Arresting pot smokers is ineffective —and it costs too much money.

Ladies and gentlemen, we don't need to examine the works of experts to decide if marijuana causes this massive complex of adverse effects cited by its opponents. Marijuana has been used by over 75 million people, yet there is no prevalence of case histories (epidemiological or longitudinal studies) that prove a single one of these findings. There are no deformed babies on account of marijuana use, no overdoses, no lung cancer patients, and no brain-damaged patients either. The burden of proof, then, is with the accuser. I, for one, would like to know about the individuals whose cases would prove these findings, for I don't believe they exist. If it really caused genetic defects, surely out of the millions and millions of people who have used marijuana in the last 25 years, there would be some clear proof of deformed babies? Yet there is not. And there is almost certainly no indication that millions of young men are walking around with protruding breasts. This, I neglected to mention earlier, was one of the scare stories circulated during the '70s, that marijuana, by way of affecting hormonal production, caused breast development in young males.

And how about Alaska's fellow pioneer, The Netherlands, which has long had a tolerant attitude toward marijuana? Officials there, reported an April 18th article in the *New York Times*, have concluded that their noncriminal approach to marijuana is working, that marijuana use did not lead to harder drugs, and that the number of marijuana users has remained steady (at 36 percent) during the last ten years. Several years ago Spain decriminalized marijuana. Last fall a committee of members of the European parliament recommended that marijuana smokers caught with cannabis for their own use should be cautioned, not prosecuted.

Of even greater interest are domestic developments. In the last few years Columbia, Missouri, almost passed a decriminalization bill by referendum, a bill cleared the Milwaukee City Council, and another cleared the New Hampshire House by consent. Though neither measure became law, the town of Hickory Hills, Illinois, has enacted a decriminalization bill. And, one recently passed the House in Iowa by a wide vote, and awaits action in their Senate.

The alternative to arresting marijuana smokers is to drop criminal penalties, or, as in Alaska, to respect personal use and cultivation of marijuana as a matter of individual privacy. This approach is being studied by others, not so much because of a noble respect for privacy, or, I'm sorry to say, justice and credibility, but for two other very understandable reasons.

1) Arresting marijuana smokers is ineffective. And 2) it costs too much money. Many experts share the opinion, voiced for example by Dr. William J. Kinnard Jr., Dean of the School of Pharmacy at the University of Maryland at Baltimore, that "legal control of marijuana is almost impossible and our limited resources should be directed to the control of the more toxic illicit substances," that is, cocaine and heroin.

Finally, if the legislature adopts these findings they will be challenged. Certainly the issue will end up in court, but that is not the arena that threatens the well-being of your communities the most. No, these findings will be challenged by the inquiring minds of your children. If these fears and distortions are adopted as fact, they will constitute a lie, and a lie easily contradicted by common sense, history, and scientific review. It is in the arena of credibility that this bill will damage the state of Alaska. If you want to send a message to your kids, tell them what we tell them: When you are old enough to accept responsibility for yourself you are old enough to make your own decisions. Alcohol, marijuana, and tobacco can all be harmful, though many people seem to enjoy using them in moderation. Some people have a tendency to abuse drugs, and unfortunately, we don't always know in advance who they are. Furthermore, young people lack the maturity to use and not abuse these drugs (as do many adults). These principles, a good, credible education, and a keen interest in development will keep your children from having drug problems.

PISS FREE OR DIE!

continued from page 20

Paul N. Samuels, executive vice-president of the Legal Action Center, a New York advocacy group that opposes random testing. "The only fair statement to say right now is that we're in a new ball game, and we don't know what the rules are going to be."

The recent rulings are also important because they establish a favorable legal climate for the execution of President Reagan's executive order of last September, in which he called for the mandatory testing of federal employees in "sensitive" positions "requiring a high degree of trust and confidence." These tests may involve half of the federal government's 2.2 million civilian employees. (See "Highwitness News," January, 1986.)

As recently as last December, judges in 13 state and federal district court cases had struck down similar drug testing pro-

A SIGNIFICANT REVERSAL

Of the four recent appeals court rulings, perhaps the most significant is a case involving the United States Customs Service (the other three involved prison guards in Iowa, race horse jockeys in New Jersey, and bus drivers in Chicago, Illinois). As reported in **HIGH TIMES**, ("Highwitness News," October, 1986), labor unions representing federal Customs Service employees had won an injunction preventing a drug test program that would have screened applicants already employed by the service who sought promotions. The National Treasury Employees Union successfully argued that random tests for signs of drug use violated Fourth Amendment protections.

Are random drug tests requiring employees to supply urine samples "unreasonable searches?"

posals, a trend that cast doubt about the viability of the President's executive order.

"I think it's going to be very difficult now to overturn the executive order," says Kenneth R. Feinberg, a criminal law professor at Georgetown University Law Center.

IS DRUG TESTING A SEARCH?

The central issue is whether tests requiring employees to supply urine samples are the legal equivalents of searches of homes or bodies. The Fourth Amendment stems from the British habit of arbitrarily searching colonialists and their homes during the years before the American Revolution; the clause protects people "in their persons, houses, papers, and effects against unreasonable searches and seizures." Is unannounced, random testing an arbitrary "search," a principle which U.S. Courts have consistently rejected? Government lawyers who defend random drug tests have argued that urinalysis is not like a search of a home at all.

"Drug testing raises no greater constitutional concern than other testing devices such as physical examinations, fingerprint checks, or background investigations," claims Richard K. Willard, Assistant United States Attorney General for the civil division of the Justice Department.

On appeal, Justice Department lawyers claimed that the tests were not a "search" but were "fitness tests" for employment. They also claimed that Customs Service employees, responsible for finding and seizing drugs at the country's borders, would be vulnerable to corruption and/or blackmail if they themselves were drug users.

Last May, a three-judge panel of the Fifth Circuit Court of Appeals agreed with the Justice Department and lifted the injunction—although they actually disagreed with the Justice Department argument. Judge Alvin Rubin wrote that the tests were legal, even though "we hold that the Customs Service testing program constitutes a search within the meaning of the Fourth Amendment." But Judge Rubin, in his majority opinion, ruled that this "search" was, in the case of drug testing, "justified because of the strong governmental interest in employing individuals for key positions in drug enforcement who themselves are not drug users." The panel also decided that due to "the limited intrusiveness of this particular program, it is reasonable, and therefore, it is not unconstitutional."

This same appeals court is expected to eventually rule on the constitutionality of the President's executive order. If the customs case is considered as a precedent, mandatory random drug testing for government employees may become an accepted practice within the next few months. ●



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LETTERS

continued from page 27

ILLINOIS

I'm a student at Northern Illinois University, and live in the dorms. Due to the current atmosphere about drug use, me and my buddies had to devise a method to get high and not get caught. What we did was take a toilet paper tube and put some fabric softener (like Bounce) in it. Then just blow your hit through it. The tell-tale smell of reefer is masked by the Bounce. It works kickass. We haven't been caught yet! You guys are very helpful in the pot-growing department. I'm starting my first crop this summer with two pure strain *indica* cuttings, five pure *sativa*, and five *indica-sativa* hybrids. I can't wait til harvest! Peace and love.

Some call me Mike
DeKalb, Illinois

I just finished reading your Trans-High letters. I live in Northern Illinois and, to my knowledge, it's pretty dry this time of year. You might get lucky and find some OK skunk or a little commercial Mex, but nothing excellent. The prices go from \$30 to \$45 a quarter. I wonder what happened to \$35-40 an ounce? Hopefully a few of us will bring the prices down! As far as acid and quantity, \$2 per at 100 hits, blotter only! Blow is \$100 per gram, ups are mostly fake. There was a little opium going around at the beginning of the year, but that faded fast. Well, that's about all for now.

Old Reliable
Northern Illinois

INDIANA

My name is Dr. Hoosier Homegrown, and I was just flipping through your April '87 *HIGH TIMES*. I ran across your THMA. Well, I wish to inform you that the drought where I live in Northwestern Indiana comes in the beginning of June and lasts with devastating effect for the entire summer. I myself am a grower by trade, and last year I was definitely prepared. You folks asked us readers to send our information to you. Well, here it is. There is no brown pot market at all: Nobody wants it. The smoke that we do get is green seeded. And very basic. Some is better than others. A quarter ounce goes for \$25-35. Although the last two years we have been lucky enough to receive some skunk buds, it runs for \$55 per 1/4-ounce. Other

than that we get virtually no exotic types of smoke. Acid is \$3-3.50 per hit of Orange, Strawberry microdot. Opium and hash are seasonal and come with the big drought. They run competitively for \$5-7 a gram. Opium is black goo. The hash is usually dark brown and sold for blond Leb. No hash oil. No downs or Valium prescriptions—few around. Good coke though. Yellow core rock is \$110 per gram. Exotic suppliers, we send an urgent plea, **Help!** Thank you very much and keep up the good work, THMQ.

Dr. Hoosier Homegrown
Gary, Indiana

MISSOURI

There is no hash, and shrooms are next to impossible to find. There are only a few guys dealing acid and they are driving the price up because they control our local market. If any dealers out there want to make a shitload of money, bring a few sheets of acid to Columbia, Missouri: You'll sell it in no time!

Wild Child
Columbia, Missouri

MONTANA

I've been with *The Crowd* for about 15 years, so I pretty much know everyone around here; in a town this size you can tell where the best price is in a few calls. I buy from dealers, so there's no go-between costs. The Himalaya is from the source in Denver; the acid comes up from Berkeley; the *indica*/orange hydro-pot is so addicting that it's gone as fast as it can grow. The Peru is the best I've ever done, well worth the bucks.

D.F.T.
Billings, Montana

TEXAS

Drought? What drought? Around here, weed has been plentiful lately, and I've been able to pick and choose. Acid, on the other hand, has been rather scarce, and is expensive when you do find it.

Voice of the Woods
Overtown, Texas

VIRGINIA

I read in the Trans-High Market Letters (April '87) that Kriss, Doug, and Karen in Richmond, VA have some good stuff down there. Well, how about getting some of it up to Fairfax, VA? Not only is good dope few and far between, but it's at least \$65 a 1/4-ounce. Sure, you can get stuff for \$40 a 1/4-ounce, but you have to smoke five bowls of it just to get a head rush. What's a doper to do? Going without my Easter grass was a real bummer, let me tell you.

Cathy the Cat
Fairfax, Virginia

NORML CONVENTION

continued from page 21

ferred from semantic problems: There was no limit on the amount of marijuana one could grow; the age limit was too low (18 instead of 21); the word "private" was not defined; and the government was not provided with any incentive to support the measure.

"Many people said our proposal was nothing but a marijuana smokers' wish list," said Sajo, "and I guess they were right." Sajo found it comforting, however, that even though the referendum was voted down, "270,000 voters in Oregon agreed to allow me to grow all the marijuana I wanted."

Next year, OMI plans to have a better proposal, one that includes a 3-plant (or 4-ounce) limit; an age limit of 21; a definition of "private" that includes the words "hidden from public view"; and a \$50 annual tax that will support local county health programs. "We'll be on the offensive next year," promised Sajo. "It's a presidential election, which means a large voter turnout that will work in our favor." Sajo also gave thanks to the indoor equipment manufacturers who support OMI. "Most people in Oregon now grow indoors," he said. "The reason is simple: only 1/10th of 1% of indoor growers get busted, while 10% of the outdoor growers get busted."

By far the highest visibility at the convention was achieved by Jeffery Julian DeMarco, owner of Pyraconic Industries. DeMarco and his staff placed over a dozen Phototron units throughout the hotel where the conference was held. There was considerable debate about the effectiveness of the fluorescent lights in the Phototron as compared to the metal halide and high pressure sodium lights preferred by large-scale growers (the Phototron is a small, self-contained hydroponic unit). On the final day of the conference, DeMarco agreed to ship a Phototron to a well-known expert on marijuana botany who plans to run independent tests on the unit.

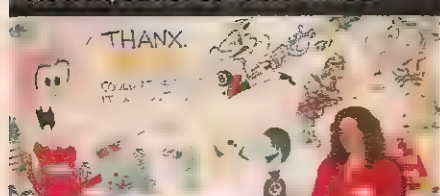
A number of retail stores selling indoor equipment also sent representatives to the conference, and it is hoped this trend will continue. According to conservative estimates, there are over a million "personal use" growers in America today. Hopefully, many of these growers will make an effort to attend NORML's annual conference and support the only organization dedicated to legalizing their gardens. Growers who cannot attend can help the cause by sending a tax-deductible contribution to **NORML, 2001 S Street, N.W., Suite 640, Washington D.C. 20009.**



John Sajo (right) of OMI receives an award from NORML National Director Jon Gettman.



Tom Alexander, publisher of SINSEMILLA TIPS, and John Howell, editor of HIGH TIMES.



HIGH TIMES Advertising Manager Sandy Rosen in front of her booth at the convention.



The final treat for conference attendees was a banquet at a North African restaurant, capped by an exotic belly dance.

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**YOU GOTTA
FIGHT, KILL AND
MAIM FOR
YOUR
RIGHT
TO
PARTY!**



get up! stand up! get wrecked! throw up! fall down!

BY KEN WEINER AND THE GENERAL

ILLUSTRATION BY J. D. KING

America has always had to fight for what it wanted—freedom, bra burning, and getting high. It's about time we start fighting for the right to party. A lot of creeps, parents, groups, and botes are trying to take away our most basic right: *the right to party*. We should have the right to get as high as we want. And the right to throw up on anybody we want.

Just who the fuck do they think they are, trying to take away our fun? Who are these old hag congressmen's wives who hate rock n' roll, and retarded politicians who want to close down bars at midnight? And the feminists who want to ban wet T-shirt contests because some girls have bigger chests than they do? And those bone-slimy yuppies who like to go to bed at nine o'clock, and who call the police if you throw a *wild party* that doesn't end until five in the morning? Who are these people, and why are they trying to take all our fun away from us?

There's more. How about those sportswriters who want to ban boxing. *Maybe we should punch them out.* Or those rock stars who sing wimpy songs about saving the world and tell us on MTV not to take drugs. And those horrible Hollywood TV producers who create creepy shows like *Family Ties* with yuppies like MICHAEL J. FOX whose favorite thing in the world is doing soda commercials. The way I see it, that creep should be strangled with his tie.

Worst of all are those preachy shows and commercials that tell you not to drink or stay out late, or smash up your car, or have wild sex orgies, or take lots of drugs, or smoke pot,

and to go to school all the time and get a good job and respect your teachers and parents and police officers.

Remember that nerdy girl who sat behind you in homeroom and always did what she was told to do and got straight A's and never had sex and was possibly the most boring person in the world? Well, now she's on the *Parents Music Resource Committee*, telling us that we can't listen to heavy metal music anymore! And how about that creepy nerd who used to get beaten up by everyone because he was so ugly and uncool? Well, he's trying to pass laws that won't allow your favorite bartender to buy you free drinks! And what's even worse is your old high school girlfriend, the one who had oral sex with every guy she could get her lips around and took every drug she could fit in her mouth, SHE now has kids of her own, and is *shocked and horrified* at the

The way I see it, Michael J. Fox should be strangled with his tie.

idea of her kids doing what she did when she was a hippie chick in high school!

All these fuckers have banded together, and they're trying to stop the party—*forever*. They're out to get us. And we gotta stop them from doing it, so that future generations of degenerates like us keep the right to get out of it.

It's time to break some bottles and spill beer on each other. There's

The best thing about drunk drivers is that they'll occasionally run over a carful of yuppies.

too many boring people out there. People who are disgusted at people who like to have fun. The best way to deal with these people is to throw a *FLUC PARTY*, and when they come over to yell at you for being too loud, *spit beer on them*. Soberate up on them. Throw up on them. And then shove a beer can down their THROATS. Finally, throw them out the window with the rest of the partygoers.

Hell, this is AMERICA, not the Soviet Union! If we don't stand up now, we might as well forget all about the AMERICAN way of life. If Thomas Jefferson or George Washington were to return to Amerika in the '80s and find out that they had cancelled *happy hour* and the bars closed at midnight instead of at four in the morning, they'd think the *British* had taken over.

They are trying to take away our fun. They lie awake at night thinking up new ways to spoil our fun. You know who THEY are: the reformers, the lawyers, the legislators, the religious crackpots, the constipated right wingers, the pea-brained, the alienated suburbanites, the worried parents, the tightly-clenched asshole of the establishment in all of its tucked up forms.

continued over



Party!

A mind is a wonderful thing to get wasted!

continued from previous page

Television is the biggest, most effective weapon in the anti-fun crusader's arsenal. The message of every TV show is: "Don't go outside, don't even leave the room! There are criminals, drug addicts, bomb-throwing Arabs out there! Stay in front of the nice warm TV." Yeah, stay home and watch Bill Cosby. No wonder so many people are buying VCRs. That way you can get *Bullwinkle the Moose* cartoons and watch them instead.

The first thing you have to do is throw the TV out the window. Especially if you live in a high-rise apartment. But first, buy a bunch of extension cords, plug in the TV, and plan it so it's still plugged in when it hits the ground. That way it'll blow up REAL GOOD! And if you plan it right, you might even kill a yuppie

* * *

for years THEY have been telling you that dope and booze will kill you. Cars, diet soda, stale donuts, exploding cigars, and African headhunters also kill, maim, and give boo-boos to thousands of people every day. Why are they so goddam selective?

They're picking on dope and booze because you can't advertise them on TV anymore, that's why, and the NETWORKS don't make money on dope and booze! You can only advertise boring shit like underarm deodorant, dog food, diapers, laundry detergent, non-alcoholic beer (the most useless thing ever invented), yuppie movies, designer jeans, and jogging shoes. The absolute worst are the ones that make use of old '60s, Beatles, and Beach Boys music—except for maybe the beer commercials that use Phil Collins records *before* they even become hit records. In the '60s, that would have been enough to assure



MOVIE STAR NEWS

Old fogies who drive too slow and present a traffic hazard to the rest of us should be thrown out of their cars and forced to walk!

that *no one* would ever buy another Phil Collins record, and he'd have been burned in effigy at protest rallies. Now all the yuppies like Phil Collins, because he sold out, just like they did, and he's a boring, ugly cocksucker... JUST LIKE THEY ARE!

Actually, there are even worse things going on if you think about it. Take drunk driving. They're always telling us not to drink and drive. Why not? There's nothing more fun than getting a little loaded, smashing into someone's house, and running over a boring yuppie.

Booze and dope don't cause car accidents: CARS cause car accidents! So let's cut the crap and outlaw cars. They've forced us to take their crap for YEARS! Let's take over the next election and vote in someone really cool. Like Bill Murray. He'd pass a law requiring everyone to ride motorcycles instead of cars.

And what's more, you ever notice how they hand out driver's licenses to any moron who asks for one? Take a look at some of the geeks who drive around these days—senile old farts who go five miles an hour on the highway and back up traffic for days, illegal immigrants who don't know enough English to read a STOP sign, and greedy businessmen who try and run you over 'cause they're late for a three-martini lunch and they have to get back to the office quick so they can lick the boss's boots and then have a quickie with the secretary.

We should start building trolleys, streetcars, bullet trains, moving sidewalks. When this country had a good mass transit system, *nobody* worried about drunk driving. They just staggered onto a trolley!

The enemies of fun don't want you to get laid, either! All they talk about is AIDS, herpes, and stuff like

that. What we really need is a disease to wipe out all the yuppies, like a deadly, unseen virus found only in Perrier.

"Just say no" they tell you. "Just say no"! To what? Nuclear weapons, toxic waste, pollution, slums, vaginal deodorants? Wrong! That stuff is legal! (Besides, what's wrong with toxic waste? Some of my best friends live in New Jersey.)

But NOOOOOOO! They tell us to say no to drugs!

Have you ever tried to say no to drugs? They don't listen at all! Drugs are inanimate objects! They don't listen to people who say no!

* * *

the kids. "We're protecting the kids," the anti-fun crusaders explain. Did you ever hang out with a bunch of kids for an afternoon? Those foul-mouthed little bastards are ANIMALS! What are we supposed to protect THEM from? We wanna be protected from those kids. They're dangerous!

Parents send their kids to prison-like schools where incompetent, sadistic teachers terrorize and mind-fuck the helpless inmates. Which is not a *bad* idea. The little terrorists SHOULD be locked up! But what the hell do gym and study hall have to do with education? We should hire a few big, mean thugs to beat some sense into them. Then, maybe they wouldn't grow up to be just like their boring parents.

High school is to teenagers what Clearasil is to pimples. It keeps the unsightly adolescent blemish from spoiling the clean and antiseptic communities. And when those idiotic teenagers croak themselves, what do the experts say killed them? Drugs, alcohol, rock 'n' roll, and sex. Parents say, "We're not tough enough!" There's even an organization called Tough Love. Hey, why not just beat the shit out of your kids, and chain them up in the attic. Maybe *THAT* will teach them to clean up their rooms and walk the dog!

kill and maim

What we really need is a disease to wipe out all the yuppies, like a deadly, unseen virus found only in Perrier.

MOVIE STAR NEWS



The end of alcohol prohibition was the happiest event in our country's history, and all drinkers celebrated in grand style. Just imagine the day that marijuana prohibition ends! Whew! WOTTA PARTY, MAN!

We need fewer boring teenagers who do as they're told, and more radical, wild teenagers who'll set the tone for a new, cooler America. Kids have it too easy today. If more of them got beat up by teachers, they'd realize how fucked up the system is, and they'd fight against it, and blow up their high schools. Maybe dress codes are a good idea. If kids are forced to wear silly clothes during school, they'll wake up! Maybe all school kids should be forced to wear polka-dot bow ties, and pink shirts,

and lavender knickers! Then we'd have a revolution the likes of which this country hasn't seen since 1776!

I know all this might sound crazy to all of you who haven't taken enough drugs and don't get drunk often enough. You still have a few brain cells left.

Who needs brain cells? What the hell are they good for? Yuppies have lots of brain cells, and look at them! Maybe if we keep getting rid of ours we'll be more able to wear

continued over

lampshades on our heads, stuff french fries up our noses, and throw rotten tomatoes on our foreheads.

So let's violently hit ourselves over the head with boards and bottles, and get so bombed out of our skulls every night that our brains will turn into **bean dip**. As a country, may we all come together, and strive for a common goal—**lobotomizing ourselves**, walking around babbling with pineapples tied to our heads, with shaving cream smeared all over our bodies. *Only then can we truly be free.*

Let's enjoy ourselves. Let's do all the things **THEY** have been warning us against. Let's get fucked up! A mind is a wonderful thing to get wasted.

The only thing more important than fighting for your right to party is partying. So *what are you waiting for?* Go out, buy lots of **cheap beer**, put on the most obnoxious record you have, turn up the stereo until you blow out the speakers, call up all your friends, and **PARTY 'TIL YOU PUKE!**

Who needs brain cells? What the hell are they good for? Yuppies have lots of brain cells, and look at them!



MOVIE STAR NEWS



Back in the days of the wild west, people were proud and happy to fight for their right to party. In fact, they were so proud, there were barroom brawls almost every night! They not only had to fight for their right to party, they had to fight for their right to fight! The tradition of barroom brawls continued into the twentieth century. Even during prohibition, they were popular events. The women's movement brought many women into the fray. Today, a woman can fight for her rights just as well as any man!

party!

HOW TO THROW A PARTY



People come up to me all the time and say, "General, how can I throw a party like yours?" Allow me to demonstrate why they call me Mister Party. I'll show you how anyone can be a great host, and how to turn an ordinary get-together into a wild party no one will be able to forget. Or remember!

At any respectable party, a mambo line is a **MUST!** It's the perfect chance to meet members of the opposite sex. Especially if you put your hands somewhere other than their hips.

HOW TO THROW A PARTY

Written by The General

Photos by John Eder

Directed by John Holmstrom

Wall paintings by Donna Lupie



The guest list should include nothing but fun people. People who like pouring beer on themselves and wearing shaving cream turbans. Lampshades are also cool to wear. Nothing's more fun than throwing a lot of beer down it, followed by beer cans and bottles.

The Cast—In order of appearance (sort of): The Mambo Line: David Allen, Lisa Malwitz, Elizabeth Wassen, Andrea Matthews, Flick Ford, Aid MacSpade; Potato Chip Woman: Abbe Michaels; Bill Cosby Lookalike: Alice Lewczyk; Bear Can Girl: Wendy Horowitz; The Hippies: David Allen, Exel; The Monsters: Steve Bloom, Joe Davis, Richard Nixon; Spaghetti Hippie: Eric Danville; Soybean Target: Chris Thomas; Bill Yusk; Bill Yusk; Rock Star: Howie Pyro of the Freaks; Rock Star Groupie: Andrea Matthews; Topless Woman: Marina Lutz; The Crazy Party Scene: Pete Kennedy, Glen Jones, Gary Quinliss, Ike The Dyke, Carla Rykowski, Al Brunelle, Mel Frank, Claire McMahon, Eileen McMahon, Susan Kelly, Max Henry, Scott Burdulls, Bilge D'lube; Masks courtesy Forbidden Planet; Nixon's T-shirt: courtesy Trash & Vaudeville



Once the excitement dies down, it's the perfect chance to try out those great pick-up lines you've been saving up for just the right time.



Crushing a beer can against your head is another good way to impress girls.



Sometimes it's best to skip the formalities when picking up a girl. Just rip off her shirt.



Soybeans are also good. Not only are they organic and natural, and chock full of vitamins, but they're perfect for spitting at people.



Food is not an important part of a good party. It helps people sober up. If you feel you must have food, provide potato chips for your guests. They're a culinary delight, and perfect for crunching up in your mouth and spitting down your shirt.



Of course, no party is complete without **Bill Yusk!**



Inviting a rock star may sound like a good idea, but don't do it. Any good-looking girls at the party will immediately try to go home with him, and every single guy at the party will hate your guts. However, if a rock star does sneak in, make him feel right at home. Throw up on his shoes.



FAAAR
OUT!

If you find out that one of your guests dropped some LSD, pour a vat of spaghetti on his/her head. It will make the trip more enjoyable.



OOH, MAN!
GOOD STUFF!

HEH HEH
HEH!

When people break out the drugs, of course you'll want to make the occasion unforgettable. Have some very powerful DMT on hand to spike the pot with.



LET ME MAKE
ONE THING
PERFECTLY CLEAR!

OH, MAN!
LIKE, IT'S
TRICKY
DICKY!

Then they'll get so pie-eyed, they'll see monsters and bugs and stuff, totally lose their minds, and jump out the window. It'll be a "happening" they'll remember forever! (Once they leave the mental hospital, that is!)



PSYCH-
O-DELIC,
MAAAN!

GROOVY,
DADDYO!



AAH!
SUDS!

FARM
OUT,
MAN!

By the end of the night the room should be totally devastated. If it's not, break something, scream at the top of your lungs, and wreck the house. It'll be so much fun, everybody will join in. And when the night is done, don't bother cleaning up, find someone who is passed out, and throw everything handy on top of them. Who knows? You may start a new fashion trend.



UURP!
GOOD
SUDS!

HERE!
HAVE A
BEER!



HEY! THE BEER IS
ON THE GENERAL!

RIGHT
ARM,
BABY!



THE
LIVIN'
END!

HEY DADDYOS! Throwing a wild party of your own? Send us a photo (or better yet, invite us, especially if there's lots of girls), and we'll publish the best ones! Mail all photos to: How To Throw A Party, c/o HIGH TIMES, 211 E. 43rd St. N.Y., N.Y. 10017.

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DOCK ELLIS AND THE ELECTRIC BASEBALL GAME



DOCK ELLIS

was never your
typical baseball player.

He took numerous illegal
drugs, wore curlers in his hair, and
was frequently involved in shouting
matches with his manager and stadium
personnel. Controversy was never far from him. • Born

into a poor black family, Dock was raised in the Watts ghetto
of Los Angeles, where he was known as "Peanuts." In 1965,
during the infamous Watts riots, tanks were parked outside his house
and Dock's light-skinned mother was mistaken for a white woman. She was
about to be shot by a gang of blacks when she stepped into her son's car. The well-
known name "Peanuts" painted on the door saved her life. • Although life wasn't easy

for Dock, sports came naturally. He grew into a hulk of a man, weighing 195 and standing 6'3".

At Gardena High School, he lettered in baseball, track, and basketball. He easily could have given
professional basketball a try since he was named MVP three years in a row. • Unfortunately, Dock didn't
have the grades to make it into a university. After graduating, he briefly attended Harbor Junior College, staying
long enough to become the high jump champion. Later that year, at age 19, he attended an open tryout for the
Pittsburgh Pirates, who were sufficiently impressed to sign him as a free agent. Four years later, Dock made his major league
debut at Dodger Stadium. After a solid first year working relief and as a spot starter, he joined the starting rotation in 1969. •

Dock's first year had its ups and downs. He posted an unimpressive 11-17 record and grew unhappy with the press. He
refused to talk to sportswriters and began developing a reputation as a renegade. However, prior to the 1970
season, he suddenly decided to become more accessible, stating, "I guess getting my rear kicked in by the

hitters last year helped me. I'm going to talk, but mainly I'm going to pitch." • In 1970, the Pirates were in a
tough pennant race against the Mets and the Cubs, in a title tiff sportswriters dubbed "the pennant

nobody wanted." One of the reasons given for the Pirates' winning ways was the harmony in
the clubhouse. Asked by SPORTS ILLUSTRATED why white, black, and Hispanic players

got along so well on the Pirates, while they didn't on many other teams, Willie

Stargell, the leader of the club, answered, "It really doesn't make a difference

what color you are, you're just a guy to me. I know some black so-called

friends who are dogs." • Nineteen-seventy was also the year that

saw the publication of Jim Bouton's *Ball Four*, which

scandalized baseball with its "shocking revelations"

that ballplayers like to get drunk, take drugs and

screw women. The book also questioned

the constitutionality of baseball's

reserve clause, which allowed

owners to treat players

like slaves, violating

their basic

civil

rights.

BY ERIC BROTHERS

continued over





LOS ANGELES: JUNE 12, 1970

Dock woke up late. Why shouldn't he? As far as he knew, the team had an off day and he planned to take full advantage of it. Three hits of LSD were ready and waiting in the refrigerator.

"Say, baby, how about breakfast?"

A few minutes later, his girlfriend returned with coffee, donuts, and the morning paper. At noon, they dropped acid. Dock put on a record, while his girlfriend read the paper.

"Dock, it says here you're pitching today!"

"Whaaa...?" said Dock groggily. He snatched the paper, scanned the box scores, and read:

**PITTSBURGH AT PADRES,
DOUBLEHEADER
(6 P.M.)—Ellis (1-4) vs.
Roberts (3-3).**

He threw the paper on the floor and began pacing in circles.

"It's okay, Dock," said the girl. "You can make it. The first game doesn't start for five hours. You can catch the next flight to San Diego."

"What am I going to do?" asked

Dock. "I can't pitch. I just dropped acid."

"Just throw a few pitches and they'll take you out," said the girl reassuringly.

Dock packed his overnight bag and hopped into a car. By the time he reached the airport, the effects of the acid were already coming on. After boarding the 3:30 P.M. flight, Dock slunk low in a window seat. He was worried.

Dock took a cab to the stadium, entered the visitor's clubhouse, and wandered around for several minutes. Finally, he asked rookie Dave Cash to direct him to his locker. Cash gave him a strange look.

"Dock, you're standing in front of it," said Cash.

"Hey, Ellis," slugger Willie Stargell shouted from across the room, "we didn't think you'd show up today!"

Dock smiled, sat down, and took his uniform, number 17, out of the locker. "If only they knew," he thought to himself. He put his Pirates cap on and looked at his reflection in a mirror. His face was pulsating and alive with color.

TOP OF THE FIRST

Shortly after the Padres took the field, a fine mist began to fall. A sharp wind blew around San Diego Stadium, whipping the flags at the top of the centerfield bleachers. Dock sat in the dugout hiding behind his glove while anxiously waiting to throw his first electric pitch.

Dave Roberts, the Padres' pitcher, had an easy first inning, ending with Roberto Clemente hitting one back to the box. Dock marched to the mound, wondering if he'd last the inning.

His fingers tingled as he squeezed the ball. He squinted to see catcher Jerry May's hand signals. He nodded his head and went into his windup, falling slightly off balance in the process. The ball hit the ground about two feet in front of the plate and skipped into May's glove.

May signaled for a fastball outside. Dock wound up and threw a hot one over the corner of the plate—a swinging strike! It was no ordinary pitch: The ball burst from



BOTTOM OF THE SECOND

Dock's hand and left a blazing, cometlike tail that remained visible long after the ball was caught.

The next pitch was a curve-comet, and Campbell ripped it to right field. Clemente waited in the outfield with an open mit, and the ball dropped into the glove in super slow motion. Dock celebrated by prancing happily around the mound.

Unfortunately, Dock's curve ball and breaking pitch were off, and he continued to throw wild, walking the next two batters. Brown stepped up with men on first and second. The count went full—three balls, two strikes—before Brown took a called third strike. Dock walked slowly back to the dugout.

No one tried to talk to Dock in the dugout—he was acting too weird. But Dock always acted weird. A bomb went off and he stood up to investigate: Stargell had hit an opposite field home run. The Pirates took a 1-0 lead over the Padres.

Dock felt wobbly on the mound and his stomach was churning with acid cramps. His concentration, however, was superb. As long as he kept to his fastball, the comets kept burning across the plate. All he had to do was steer the ball down the multi-colored path. Dock had a crazed look in his eyes and his lack of control was evident to the batters, many of whom were feeling increasingly vulnerable in the batter's box. Dock easily retired three batters in a row.

BOTTOM OF THE FOURTH

Dock's fastball was really smoking as he struck out Colbert and Brown. His concentration was broken, however, after he attempted a breaking pitch and hit Murrell on the leg. Dock got so flustered, in fact, that he forgot about the baserunner and Murrell easily stole second. Fortunately, the next batter fouled out to the catcher.

TOP OF THE SEVENTH

The Pirates were clinging to their 1-0 lead. Dock was staring at the scoreboard when he realized he'd pitched hitless ball for seven innings. He smacked Cash on the arm.

"Hey, look," said Dock, pointing at the scoreboard. "I've got a no-no going!"

Cash gave him a blank look. "A no-no?" asked Cash. He'd never heard the term before. But Cash wanted to keep the pitcher loose and happy, so he smiled and said nothing.

Meanwhile, during the Pirates' turn at bat, Stargell strolled up to the plate and drilled a home run into the right field seats.

Dock trotted back to the mound. Cash came up behind him, whacked him on the ass, and said, "Remember now, you're still on the no-no."

The Padres sent in a pinch hitter for their pitcher. He crouched down low and Dock whipped a comet over the outside corner. Webster.

continued over

**Dock
clenched
his fist into a
black power salute and
raised his arm
high in the
air.**

cracked the ball towards the hole between first and second base. Bill Mazerowski dove for the ball, slamming to the ground and banging up his knees. Mazerowski lifted his glove in the air, and the umpire signaled "OUT!"

Dock worked the count to two balls and two strikes on Campbell before getting him to ground out to the shortstop.

Muntz, the next batter, tapped a bunt down the first base line. But nobody was covering first base! Dock started running towards the base with all his might. It seemed to take forever, especially with the noise from the crowd reverberating in his head. He arrived in plenty of time to catch a lightly-fingered toss from Oliver. Three up, three down, and two innings to go.

BOTTOM OF THE EIGHTH

The wind had died down, but the mist in the air seemed heavier as Dock took his warm-up pitches. His arm grew more tired with each throw.

On the mound, he burned one inside to Ferrera, who swatted the ball to deep right field. Dock spun around and watched Clemente circle under the ball and catch it. Dock wiped the sweat off his forehead.

Colbert fouled two comets behind the plate and hit the third to centerfield. Alou had a running start

and snagged the ball with one hand.

Dock, tiring, walked the next batter out of fatigue, but managed to get Murrell out on a weak grounder to shortstop.

BOTTOM OF THE NINTH

The realization that he had only three outs to go had a powerful effect on Dock. He threw his warm-up pitches so hard that his catcher yelled in pain. Cannizzaro stepped up to bat, and Dock burned two comets past him for called strikes. The next pitch was popped to center field.

Kelly came up next to pinch hit for the shortstop. He tapped a grounder to Oliver. Dock covered first base easily, a broad smile forming on his face.

Spiezio came to bat for Herbel, and Dock threw a wild pitch for ball one. He heaved the next pitch hard and inside. Strike one, swinging. He tried to nip the outside corner. Ball two. Dock whipped a comet over the inside part of the plate. Strike two, swinging.

Spiezio was taking full cuts and Dock was throwing with everything he had: power versus power.

Dock wound up and tossed the next pitch outside. He threw another fast ball, which was fouled. The count was two balls, two strikes. Dock went into his windup in super slow motion. He felt his

arm and leg muscles stretch. He heard heavy breathing and realized it was his own. He watched the multicolored comet burst from his hand and burn a trail to the catcher's mitt.

Spiezio tightened up, then relaxed and watched the ball whiz past.

The umpire spun to the side, signaled, and shouted, "STRIKE THREE!"

Dock clenched his fist into a black power salute and raised his arm high in the air. Catcher May was the first to congratulate Dock, knocking him to the turf in the process. The entire Pirates team circled Dock, pounding him on the back.

"Well, you got your no-no, Ellis!" shouted Cash.

Dock was still tripping when he returned from a post-game radio show. He hung out with the reporters, basking in glory. But pitcher Steve Blass burst the bubble. "Hey, Dock," he yelled from across the room. "You better kick yourself in the tail. You've gotta keep the pitching chart for the second game."



(Dock had a pretty good year in 1970. He went 13-10, and helped the Pirates win their first of three divisional championships. The fact that he pitched his no-hitter on LSD was not revealed until April 8, 1984.)

INSIDE



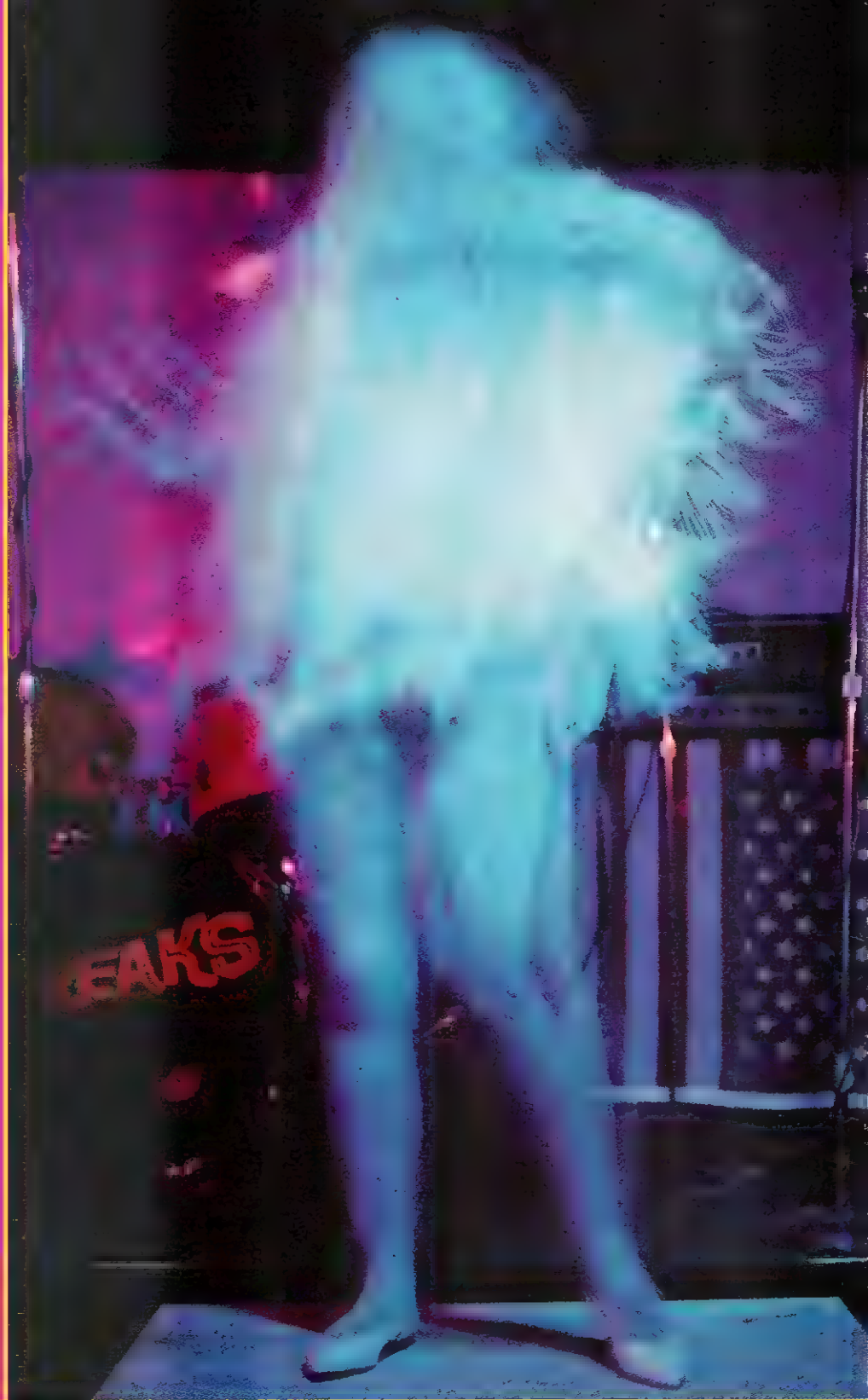
PHOTOGRAPHY BY ANDRE GROSSMANN

According to a recent article in the **Village Voice**, nightlife in New York is dead. The truth is that **Voice** writers have spent the last two years hanging out in pretentious Yuppie discos like the Palladium, the Tunnel, and similar clubs that charge \$20 admission and cater to posers, preppies and assorted Euro trash.

Fortunately, The Mind's Eye is different. It's held in a small bar called Tramps, it costs only \$6 to get in, and no one has to run the gauntlet past snotty doormen. The club features some of the best bands on the East Coast, draws a fun-loving crowd, and boasts one of the finest light shows in America. Sound too good to be true? The only problem is The Mind's Eye doesn't happen often enough—only once a month.

The club is the brainchild of Ivy Vale and Anne Pokrassa, two friends who met at the High School of Music and Art, and have been making the scene in New York for the last ten years. 'We were both born in 1964,' explains Ivy. 'It was a really important time. The sexual revolution happened, and women took a lot of power for the first time. We also grew up watching shows like the **Monkees**, **I Dream of Jeannie**, and **Laugh-In**.'

Both women have theatrical backgrounds. Ivy's father is a well-known ac-



tor who appears in Dunkin' Donuts commercials, and Anne's mother was a Rockette at Radio City Music Hall. 'I was a voice major in high school,' says Anne. 'I was in a dumb little band called Chit Chat for a year. We used to hang

out at Max's Kansas City with the power pop generation. Then I worked for a band called Stiff Little Fingers.'

The first Mind's Eye event was held at the now-defunct Danceteria in 1985, and it was such a raging success



Fortune-ately, Tasmania, the resident gypsy of the Mind's Eye, gives good palm.

that the manager of the club invited Anne and Ivy back three times. "The second event at Dancetera was the widest," says Ivy. "We had a bubble machine positioned on the dance

floor. We didn't realize that the bubbles were made of soap and water—slippery stuff. Before we knew it, people were falling over each other. But they kept dancing. One of



Frank and Allegra of the Black Orchids.



the turntables broke down and I accidentally knocked the record off the overhead projector."

After Danceteria closed, the dynamic duo went looking for a new location and discovered a bar on 15th Street that was booking bands. "I was snooping around one night asking questions," says Ivy, "and I asked the girl in the sound booth if she knew of anyone who did lights. She gave me

the name of someone called Captain Whizzo."

She later found out Captain Whizzo is one of the original liquid-light pioneers from San Francisco, having done shows for Quicksilver Messenger Service and the Chocolate Watch Band (see *HIGH TIMES*, November 1986). But thanks to a fortuitous accident, he'd just moved to New York and was looking for work. "He's not just a lighting man," says

Anne, "he's an artist. A lot of people come just to see the light show."

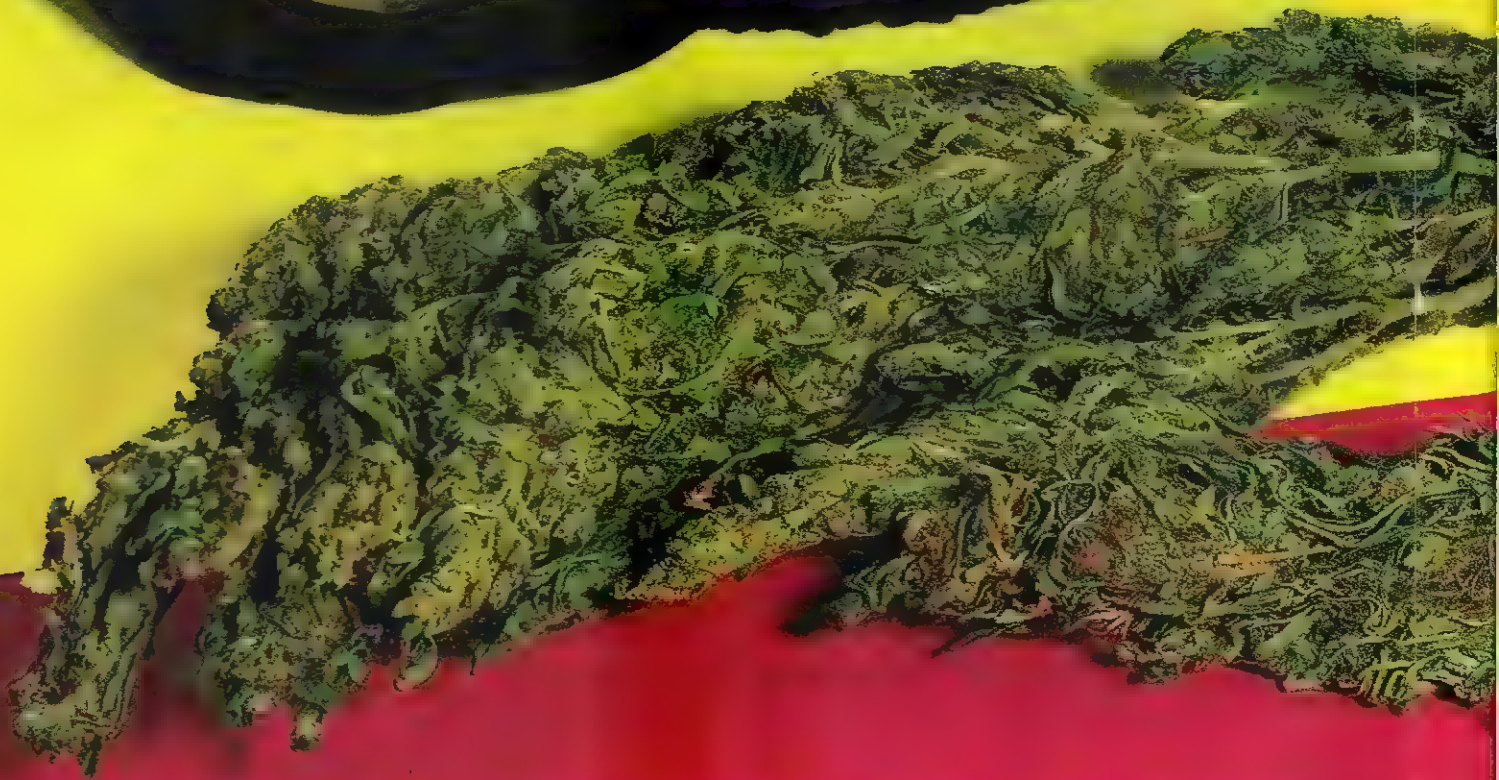
"We believe in the ideology of the '60s," adds Ivy, "Wear what you want, go where you wanna go. If that means wearing purple bellbottoms and hair down to your ass then great. Our next project is psychedelic world domination. I'd like to take the whole Mind's Eye crew, hop on a school bus and take it across the country."



The Cynics in their first N.Y.C. appearance



The Slits with H. P. Lovecraft, photo by [illegible]
after 24 hours of [illegible]
night [illegible]



MEXICAN SATIVA IS BACK!!

***From south
of the
border by
motorcycle.***

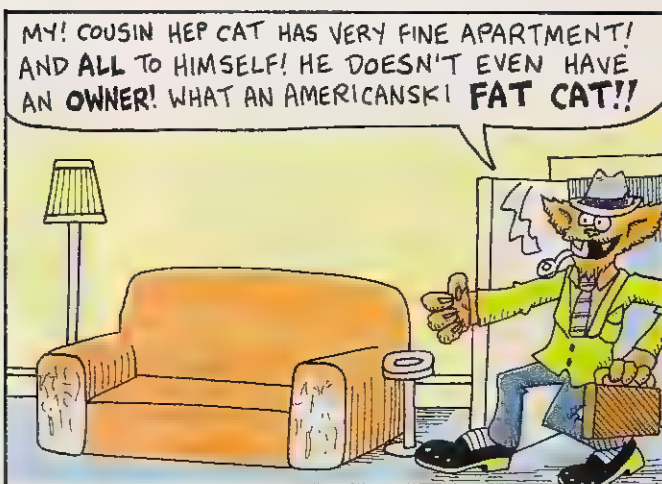


PHOTOGRAPH BY ANDRE GROSSMANN



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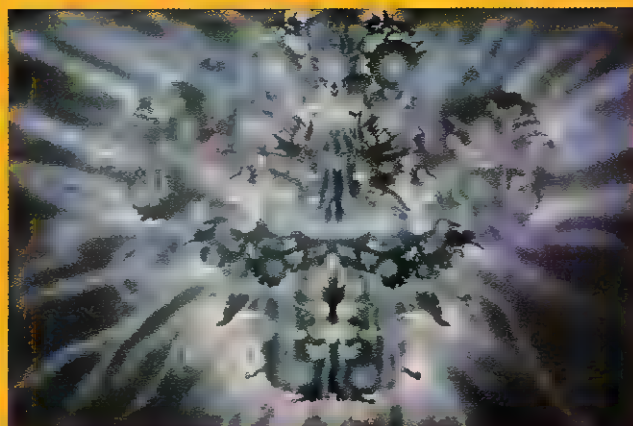
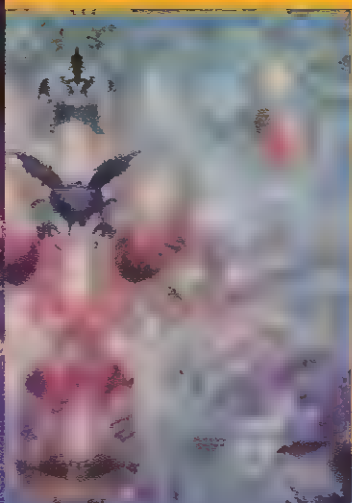






by Carlo McCormick





Psychedelic art today is not just imitative of the late '60s "look": It must be true to psychedelia itself. By definition, psychedelic means "mind-expanding," and it is this inner awareness, with its force of enlightenment, that separates the true art of psychedelic essence from the uninspired mass of nostalgic fashion.

Isaac Abrams was one of the leading figures of the psychedelic art movement that blossomed in the great age of acid. Abrams' 1964 painting "All Things Are Part of One Thing" was the cover of Robert E. L. Masters and Jean Houston's seminal text, *Psychedelic Art*. Looking now at that work, and at the many other artworks reproduced in the book, it's easy to see truly psychedelic meaning. The baroque lyricism, metamorphic dynamism, and meta-organic cosmology of Abrams' paintings of the '60s are as vibrantly fresh today as they were in psychedelia's heyday. However, while so many brilliantly creative figures of the '60s stopped being innovative and mind-expanding by these high standards, Abrams' recent work is as true to the spirit of hallucinogenic insight, psychoactive self-expression, and pictorial experimentation as his earlier acid-inspired art.

Abrams' latest, totally mind-blowing project (and perhaps the most accessible way to hook into his exotic vision) is his ambient home video, "ATV." This pulsating video of hand-executed animation lets the audience select whatever musical soundtrack it desires; just about any rhythmic, flowing music works like magic with the continuously changing imagery of vividly colored mandalas. It seems at once shamanistically ancient and futuristically scientific, a mystic conjunction of the computer age with primeval biology. As radical a departure as video may be from painting, "ATV" is a perfect continuation of the ideas of Abrams' earlier artwork. The sense of motion is now activated by the animation, and the mutant forms of imagery define even better Abrams' symmetrical harmony of the multi-levels of self and universe, where all life forces are united as the one and the many.

ATV is available directly from the artist. Send \$30 (includes postage) to P.O. Box 1078, Woodstock, N.Y. 12498.

THE 10 WORST THINGS THAT HAPPENED TO POPULAR MUSIC

by JAMES MARSHALL

Fragmented as music fans are these days, everyone can agree on one thing: Popular music sucks. Sure, you like this record and I like that one, there'll always be a few good ones around; but in terms of popular music as culture, it's never been any worse, and it may never get any better. It's virtually all unlistenable, faceless, mindless, pasteurized pap, and nothing is gonna make it go away.

Of course, people buy crummy records because they like 'em. An entire generation has grown to maturity without any taste at all. They've been conditioned by bad ideas, bold failures, and big lies. They've been force-fed the lamest music possible for so many years they can't tell the difference. It's no wonder that virtually every

ILLUSTRATIONS BY FLICK FORD

record that was of any merit at all made between 1920 and 1966 is being reissued, because anyone with a brain is busy crawling into little cultural cubbyholes to surround themselves with artifacts of a world they never knew, where things might've been tough but at least people knew how to stomp, blow, scream, hucklebuck, camel walk, and rock.

The combine that has "refined" any rough edges, raw feeling, regionalism, ethnicity, or eccentricity out of music is known as mass media, a conglomerate (inter)national standard that always agrees with itself and attempts to bring the least offensive or unusual *Lowest Common Denominator* to as many people as possible. It's no accident that you see the same smiling idiots peddling their records all over TV, in movies, on the radio, etc. Of course, the record industry loves this. Major labels work in the same manner as large loan organizations; they'd rather sell ten million copies of one record that cost \$2 million to produce than sell 250,000 copies of 37 different records that cost \$10,000 each to produce.

People, technological innovations, cultural movements, etc. become *influential* because the media in one form or another (TV, mags, radio, whatever) picks up on them. So even though AC/DC sells five times as many records as the Rolling Stones, the Stones have become 50 times more influential because everytime you pick up a magazine or newspaper there's this guy with gigantic lips being photographed at some party or club.

With the exception of the first two events, this list comprises people who for the most part didn't know they were going to influence anybody, so you can't really blame 'em (oh yeah!). But they did, for whatever reason, affect virtually all pop music in said genre with their crummy music. Which brings us to the rhetorical question: If there was nobody around to take his picture, would David Bowie exist?



1 THE PAYOLA SCANDAL:

From its birth, rock'n'roll was the domain of independent labels. All the best, hardest, rawest records (especially by blacks) came from small labels like Chess. Specialty, Vee Jay, and Atlantic, and payola was a way for these guys to get their records on the radio. The 1962 witch-hunt that took place in Congress and in the

courts was instigated by lobby money from the majors (Columbia, RCA). Of course, the majors have had their own form of payola all along—still do. The focus

was on rock'n'roll deejays, and a fine gentleman named Alan Freed (who, among other touches of class, would always play the original-small label black artist version of a hit record and not the major labels' white cover) took a big one up the poopshoot. After 1962 the majors got a solid hold on the radio and never let go. With each given year it was tightened, until 1968, when they tried to rid themselves of "independent promo men" (Mafia record pluggers who grease the wheels of big radio stations) and give the indies (at least the indies smart enough to hire these guys) another (if very small) shot at breaking their records (e.g.: Run DMC).

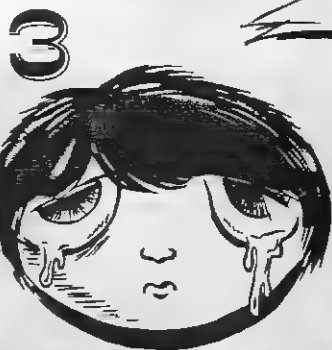
was on rock'n'roll deejays, and a fine gentleman named Alan Freed (who, among other touches of class, would always play the original-small label black artist version of a hit record and not the major labels' white cover) took a big one up the poopshoot. After 1962 the majors got a solid hold on the radio and never let go. With each given year it was tightened, until 1968, when they tried to rid themselves of "independent promo men" (Mafia record pluggers who grease the wheels of big radio stations) and give the indies (at least the indies smart enough to hire these guys) another (if very small) shot at breaking their records (e.g.: Run DMC).



THE BIRTH OF MULTI-TRACK:

Recording technology is an odd thing, and doesn't it seem with each passing innovation that records sound blander and mushier? One could cite Dolby or digital or what have you, but let's take it right back to the beginning. It used to be when somebody recorded music, they would go into a recording studio and play their song until they got it right, then they had a record. In the early '50s, Les Paul discovered that one could separate each instrument on different parts of the tape, then you didn't have to be playing all the instruments at the same time. It also meant that each instrument's level could be louder or softer (mixing). This worked fine for ol' Les but as the 2-track gave way to 3, 4, 6, 16, 24, and finally 36 tracks, things got confusing. Many great rock'n'roll producers (Phil Spector, Brian Wilson, Leiber & Stoller, Leonard Chess) admitted that anything more than four tracks confused them and gave them too many choices. While there were a few great multi-track geniuses (Atlantic's Tom Dowd, the Motown staff producers), the immediacy in music would more often than not get lost. With the advent of super high-tech Dolby-ized 24-track in the '70's, songs were no longer recorded so much as pieced together, structured in the studio through many hours of laborious overdubbing. Bands could spend a year or so in the studio recording, without the drummer ever

running into the guitar player. Things are now so complicated that a computer is used to keep track of the mixing where all the knobs and faders go. The studio is the realm of the technology nerd who likes things to sound smooth and clean. Even if it's *supposed* to sound rough and dirty. I'll blame the technology craze for much of the blandness of today's music.



THE BEATLES "YESTERDAY":

There's a line in rock history books that goes something like this: Buddy Holly dead, Elvis in the Army, Jerry Lee in disgrace and Chuck Berry in jail. Rock'n'roll was dead until the Beatles saved it and while I'll admit the Beatles of '63-'65 rocked, they were wimps at heart and by '66 they'd had it. When this piece of insipid greeting card drivel with whining strings became a huge hit (and the Beatles being the all-time r'n'r media darlings), it opened a virtual Pandora's box of lame sentimentality. And it got worse from there—the unlistenable excess of *Sgt. Pepper's "Fool On The Hill,"* and 7½ minutes of "Hey Jude" on the radio 5 times an hour! Not to mention "Got To Get You Into My Life," "Let It Be," "Long And Winding Road"... Shit, at least when Elvis was unlistenable ("Do The Clam," etc.) he was pretty funny about it. It was probably never a good idea to send rock'n'roll to a place where kids wear knickers to school, but that's a whole 'nuther tirade.



DYLAN & THE SINGER SONGWRITER THING:

I hate to say it, because I dig Dylan (especially '64-'68 stuff) but the wandering minstrel from Hibbing certainly inspired more shit than any single person in music til the dawn of the Bowie era. Not all great singers are great songwriters. Many of the greatest singers in history—Bing Crosby, Frank Sinatra, Elvis, Jackie Wilson, Jerry Lee Lewis, etc.—never wrote a song. Guys who did both well, like Hank Williams and Chuck Berry, were exceptions, not the rule. However, it seemed sometime around the mid-sixties that if you didn't write your own songs you weren't considered "creative" or some such nonsense. Not only did this inspire many people with nothing to say to write their own mediocre songs, it put all the great songwriters in the Brill Building out of business. I'm sure the fact that people realized there's more money in songwriting/publishing royalties than in recording royalties had something to do with it.

Not only that, but it was old Bob who inspired an entire generation of college English majors to pick up acoustic guitars and start something called "folk" music, music not for "folks" but for hip urban liberals to feel indignant to. It might've been folk music when Dylan put away his Little Richard records and came to NYC in the early '60's, but by the time this guy was sellin' re-

cords it had become the most annoyingly self-righteous expression of pop culture until "We Are The World"-type benefit records briefly swept the charts in the '80's. Dylan made some great songs but was it worth it?



CHET ATKINS & COUNTRYPOLITAN:

Without a doubt the worst thing that ever happened to country music was the late '50's/early '60's process of adding "sweetening": strings, lily-white choruses, tinkling cocktail lounge piano, etc. to country records to make them more palatable to the suburban consumers who were rapidly replacing the rural market as the major audience for C&W music. While there's been periodic reactions against this sort of thing (Bakersfield in the early '60's, bluegrass), eventually ALL the elements of pre-war country music (fiddle, banjo, yodeling)—save the hallowed steel guitar—were removed to make them virtually indistinguishable from standard MOR Muzak. While even Chet Atkins admits it was a bad idea to begin with, he, along with Billy Sherrill, should be taken out behind the barn and shot.

6



CREAM/LATE '60'S BRITISH BLUES:

It took English guys 10 years to figure out how to bend a string, but once they learned that, they were gonna make you sit through it for 20- to 30-minute stretches every time. Not only did Clapton (along with much overrated compatriots Jeff Beck, Jimmy Page, Pete Townshend, etc.) start the entire overwrought heavy guitar-worship crap, these humorless turds brought about the era of the overbearing, heavy-handed drummer (Ginger Baker, John Bonham) who were concerned



8

PINK FLOYD/ENGLISH ART ROCK:

Syd Barrett was the most overrated guy in music. Pink Floyd is the Henry Mancini of an entire generation of junior high pot-heads. And don't kid yourself—Henry Mancini sold a lot more records than Little Richard ever did. Pink Floyd is actually pretty ignorable, but what came in its wake was worse—Yes, Jethro

with everything BUT keeping the beat. Everytime you see some fool up there blowing out his ear-drums and making stupid faces whilst grinding out the Brontosaurus beat, you can thank this school of clowns.



9

DAVID BOWIE:

Not only does this guy write the dumbest lyrics this side of John Denver ("like some cat from Japan..."—aarrggghh!!), he brought the pasty face of post-modernism to music (I say I am, so you should believe I am). The timbre of his voice drives me nuts, and besides, *Low* introduced that stupid, overblown echo-ey drum sound that's now on every record that I hate so much. Still, he's a good icon for ugly teenagers.

10



PHILLY INTERNATIONAL SOUL/GAMBLE & HUFF:

Motown might've bleached R&B for white teen consumption, but these guys turned it into Cheez-Whiz with their fat, sticky arrangements. You can blame the disco-drone sound, Barry White, etc., on this tour-de-schmaltz sound that managed to drive many a great R&B record off the

charts in the early '70s, as well as influencing every R&B producer since to sweeten things up beyond bearability.

Honorable mention to the entire L.A. studio musician school of the early '70s; whoever invented "horn-rock" (Al Kooper?), and the Clash, who made punk rock SERIOUS and weren't nearly as good as the Dead Boys.



7

MILES DAVIS' "BITCHES BREW"/MAHAVISHNU ORCHESTRA:

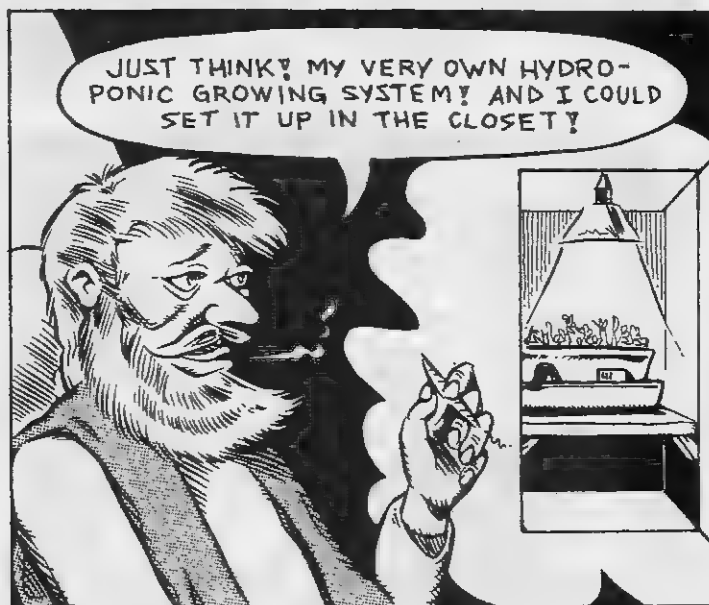
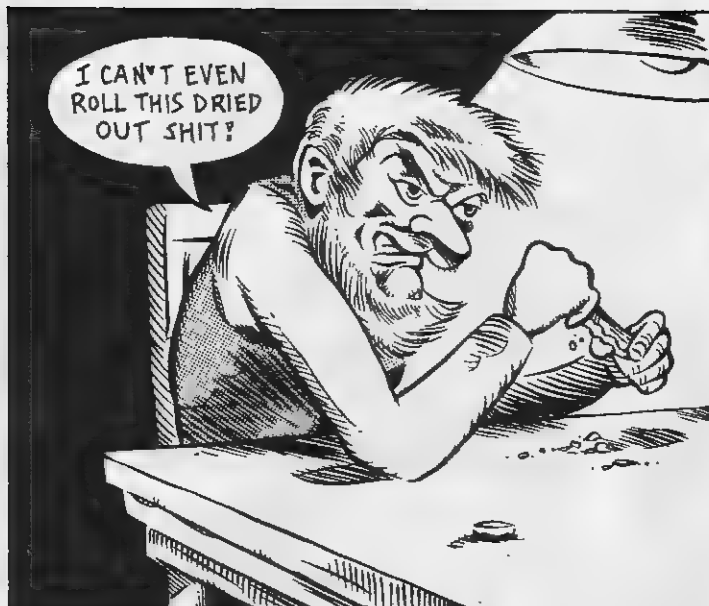
Jazz-rock is unlistenable squirrel music, "fuzak" stapled together at the seams for the second-year college crowd who like "real music." I wouldn't totally blame

Miles, who must get tired of sitting at home laughing at white folks on TV, but I never liked "Bitches Brew" much anyway. This breeding ground for guys with their chips down, their heads up their ass, and absolutely no soul at all, bestowed upon us earache after earache, from the silly progressive rock of the early '70s to the annoying "Miami Vice" soundtrack, to (please shoot him) Paul Shaffer and band, who slum to "Green Onions" on the tube each night. These guys all got off at the wrong exit. If you can't play jazz and you can't play rock 'n'roll, put 'em together and really jack off.

BUD GREEN'S DAYDREAM

STORY: HAGER & HOLMSTROM ART: S. FIORILLA

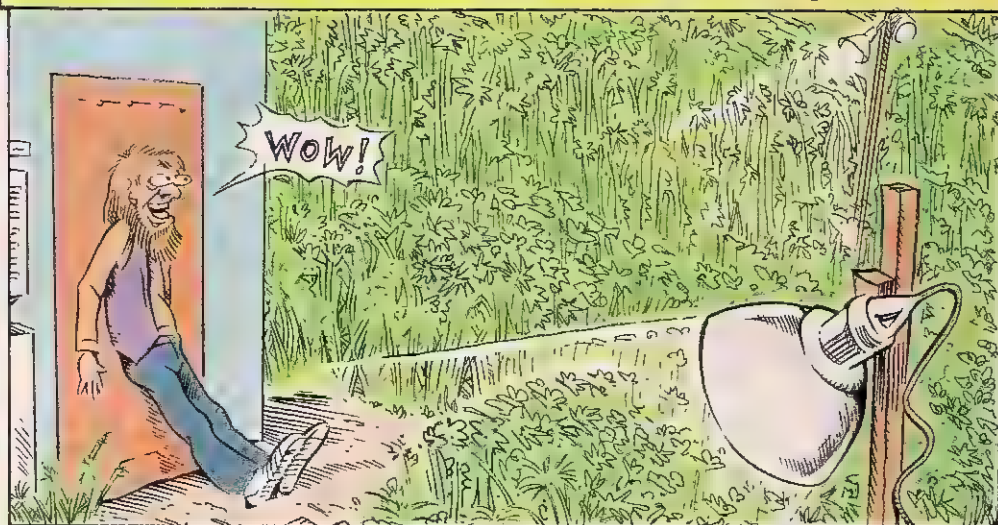




JUST IMAGINE! NINETY DAYS LATER,
I OPEN UP THE CLOSET AND ...



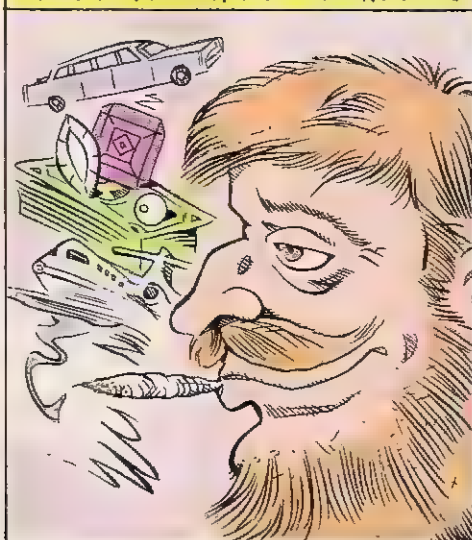
IF I COULD GROW TEN PLANTS WITH ONE 400-WATT BULB,
THINK WHAT I COULD DO WITH A 4000-WATT BULB.



I'LL HAVE SO MUCH POT I WON'T
KNOW WHAT TO DO WITH IT!



I'LL HAVE SO MUCH MONEY I
WON'T KNOW WHAT TO DO WITH IT!



AND THE CHICKS? WELL, I'LL
KNOW WHAT TO DO WITH THEM!



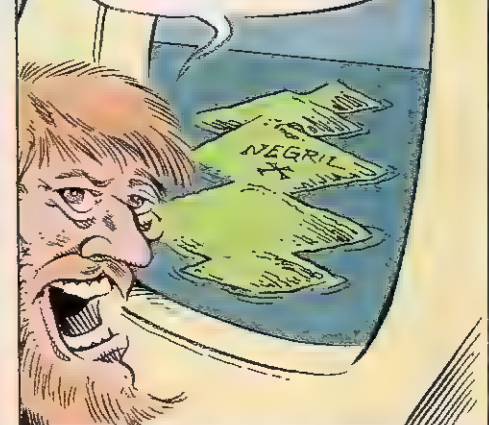
I'LL SET UP MY OWN DISTRI-
BUTION PROGRAM!



WAIT! I'VE A GREAT
IDEA! PILOT! TAKE ME
TO NEGRIL!

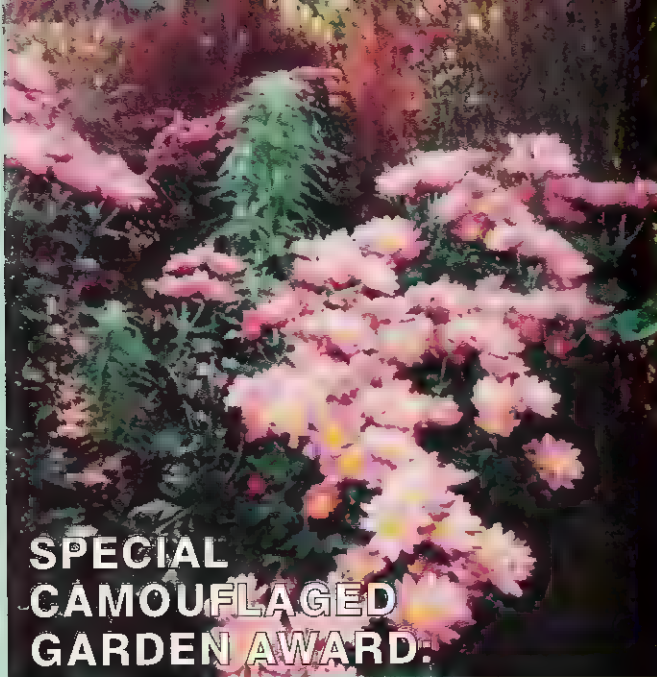


NOT EVEN DISNEY
COULD TOP THIS!

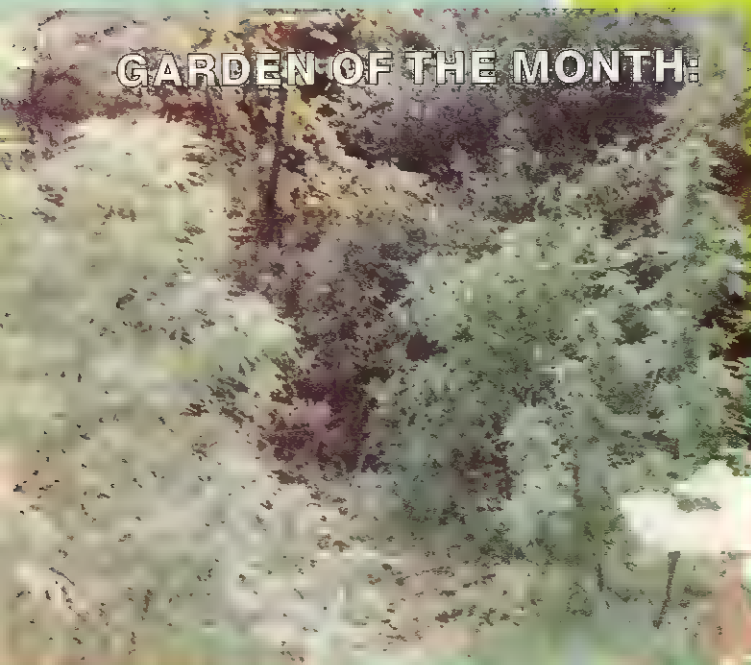








**SPECIAL
CAMOUFLAGED
GARDEN AWARD:**



GARDEN OF THE MONTH:



**PLANT OF
THE
MONTH:**



BUD OF THE MONTH:



HYDRO-GARDEN:

SPECIAL CAMOUFLAGED GARDEN AWARD:

I have been growing marijuana for three seasons. Having my first two crops ripped off, I decided to try something different. I planted ornamental flowers a month early to cover up the weed.

I grew the cannabis in my front yard in view of cops and neighbors. A week before the plants were ripe lawdogs knocked on my door asking about a neighbor and didn't notice them!

—Name Withheld
Acworta, Georgia

HYDRO-CAMPION:

Our system consists of six cat litter pans, pea gravel, a fish pump, and milk jugs. Total cost: about \$30, and you can see the killer results. (See hydro-system photo.)

—B & R
Corvallis, Oregon

BUD OF THE MONTH:

My garden measures 42" x 24". I've consistently been getting yields of 8 ounces every 100 days. I use seeds for each new harvest. This has been a blessing in disguise as I've learned quite a bit about breeding and the short growing season accelerates the process. I would like to pass on what I've learned, but as you stated in **Marijuana Growers Guide**, "keep the garden on a need-to-know basis," and as no one other than myself needs to know, I haven't told anyone. I'm busting to let loose — so here goes.

My growing containers are 2-liter soda bottles, stacked "piggy back." The bottom bottle is cut just above where it begins to taper towards the top. The top bottle is cut 4" from the bottom and inverted so it fits into the lower container. This allows for a 40" reservoir and a 40-ounce growing container. The cap is removed from the top container. The top container is filled with Rockwool.

Seedlings that were started separately are transplanted to the growing containers, which are placed side by side and watered with a 4-11-4 hydroponic fertilizer. The lights are placed on a 10-hour light cycle from the first day. They grow very quickly and begin to flower in three weeks. They seem to be trapped between the vegetative and flowering stages for another week or so. At about one month into the season, the broom really begins.

As the system uses seed stock, sexing is required. All of the males except the one with the most desirable obvious traits are discarded, easing the crowding problem.

CO₂ is supplemented via the yeast method. Twice a week, a 5-gallon container is half-filled with 2½ pounds of sugar, a packet of yeast, and warm water. This is connected to a plastic garbage bag, which fills up with CO₂ each evening. The hose to the garden is attached to a valve that runs off the light timer.

All my growing is for personal use and the set-up described should satisfy even the most ardent smoker. The yield can be further increased by using *indica* strains. I had one *indica* crop but reverted back to *sativa* because I prefer the high, and because the odor is controllable in close quarters. I think my neighbors are still looking for the skunk.

—The Parrot

PLANT OF THE MONTH:

This uniquely branched, 4½ to 1½' high feminized plant was the sole offspring of a Dutch *Marijuana indica* type female crossed with a *Marijuana sativa* male. The plant was harvested just after Halloween. It was harvested, but I was disgusted, but I thought we could cook with it.

Recently, a visiting friend spoke of his new weed plant as being one of the strongest he had recently. I told him about the plant. He said, "I pulled out my nose and surprise, surprise, where has it been hiding?"

Are we really sick degenerates for appreciating these super stoning males? Must we be chicken at parties as if we're afraid the smoking of a male is "bad?"

—Rick
Glen Falls, New York

No, you are not strange. With some varieties of marijuana, the male is almost as potent as the female. The main reason they are pulled is because they have much less weight than the females and mess up the otherwise seedless buds.

ASK ED

BY ED ROSENTHAL

GARDEN OF THE MONTH:

This is a shot of a patch a friend and I put in. It had four different strains. It was the third season in the same place. Thieves got two of my own patches, but we managed to get this one in. It consisted of 14 females; we plant only sexed clones.

I do some selective breeding and backcrossing, only pollinating a colt or two of the very best females of each strain. I did some wild crosses this year, too.

—J.C.
Somewhere in western
Massachusetts

continued on page 71



by T.M.S.

Beginning indoor growers always have more enthusiasm than ability. The temptation to run out and buy some hi-tech equipment hoping the advertised promises will replace experience leads to all sort of expensive disappointments, including a mediocre crop.

Clearly beginners give far too little consideration to the basic requirements of setting up a grow room. And, when faced with the three basic growing medium options, they can't tell in advance which is likely to be the easiest to learn while doing.

While setting up a grow room for a friend new to the business, I made careful note of the various steps my experience dictated, and relate them below. I am indebted to her for allowing me to include photographs of her final set-up.

Reprinted from *Sinsemilla Tips*, Spring 1986.

The Grow Room

Picking the right site is essential. Security requires a door you can lock, walls thick enough to block noise, and lightproofing. The plants require temperature and humidity regulation independent of the rest of the dwelling, as well as means to introduce fresh air and to exhaust spent air while minimizing unintentional air exchanges, to trap CO₂ gas you introduce. Keep in mind that water, dirt, and plant material will wind up on the floor.

An area in the basement is the very best choice. An upstairs bedroom is a poor second and a spare room in an apartment isn't worth the trouble. Whatever you choose, your first job is to clean it till it's *spotless*, including

BEGINNER'S GUIDE TO GROW ROOMS



the ceiling, which should be at least seven feet high.

After a thorough cleaning, buy a small container of general purpose fungicide (Captan or Maneb), a quart spray bottle, and some liquid bleach. Mix separate quart solutions of 1/4 c. bleach and 1 qt. H₂O, 1 Tbsp. fungicide and 1 qt. H₂O. Spray the entire area down with one, then the other, and leave for 12 hours. This kills the bugs and spores likely to attack the plants as seedlings.

Next, you need to maximize light reflection. Mylar is a bit expensive. Painting the walls flat white is fairly easy; but to enclose an area in a basement, the best choice is 4' x 8' sheets of styrofoam 1" thick. It's flat white, has insulating properties to aid in temperature control, and is easily cut to shape with an electric knife. You can frame in the area a little with furring wood (2" x 2").

Note that the black plastic was put over every basement window to prevent sightseeing, and a black plastic sheet was hung to block light on the exposed side. Joints in the styrofoam were sealed with 3" clear tape.

The size of the room is dependent

on the number of plants you want to grow. If you grow from seed, as most first-timers do, figure that 50% will be male and all but one or two (saved for breeding) will be culled. So you have one number to give space to as seedlings and another to give space to flowering later on. The first time, I think, coping with ten to fifteen females grown four to five months from seeds will be plenty to deal with. This means you start with twenty to thirty plants. This will fit in a 10' by 12' area using one phosphor-coated 1000-watt HID. (During flowering you add a second high-pressure sodium 1000-watt bulb.) A rough measure is seven flowering plants 4' to 5' tall from soil line per bulb, and that's the max.

If you're already thinking ahead to yield, throw out your fantasy. A good first crop will be 1 to 2 oz. of manicured bud per plant on average if you use an *indica* dominant strain. Through breeding and experienced gardening technique, 4 to 6 oz. per plant can be achieved, sometimes. While this is not a seed selection article, I strongly urge you to use *indica* strains if you can. *Sativa* needs more light, more root space, is too sensitive to high

1. Bare basement after cleaning. Note black plastic covering all windows.
2. Grow room nearly finished.
3. Necessary grow room tools, temperature and humidity gauge, moisture meter, pH meter.
4. Grow buckets, ballast, air circulation fan.
5. Exhaust fan outlet and exterior of grow room.
6. Pulley attachment for HID lamp.
7. Grow buckets with drip system emitters set up.
8. *Indica* seedlings at four weeks from germination (12-16" tall). Special indoor *indica* sixth generation pure strain called 621-05C



root moisture and atmospheric humidity, and has a range of fertilizer tolerance narrower than a beginner can handle.

An exhaust fan sucks out humid, spent air, drawing in fresh air. The fan you buy will come with a CFM rating—that's cubic feet of air per minute it sucks out. Buy one with a rating equal to one-fifth the volume of your grow room. A 10' by 12' room, 7' high contains 840 cubic feet of space, requiring a fan with a CFM rating of approximately 175. This allows the fan to run about five minutes for one complete air exchange, all that you will need per exhaust cycle.

Mount the fan close to the ceiling, no more than two feet down, maximum. The exhausted air has to go somewhere. Likely you'll have bought a "squirrel cage" or "ram's horn" style fan and the outlet is easily mated to a 4"-diameter clothes dryer exhaust hose kit. If you plan to vent the air through a nearby window, camouflage the exit port, and be conscious of close neighbors who may hear noise or smell flowering cannabis. A better choice is the ash door at the base of the furnace chimney. Be sure to tap in below the furnace smoke exhaust tap or the grow room will fill with smoke.

To hang the HID bulb/fixture use pulleys and parachute cord. You'll raise and lower it a lot. A reflector is necessary in my opinion—4' wide, a shallow cone. In the basement, a 30 amp, 220v

dryer outlet may be available. If it's not, strongly consider paying an electrician \$100 to install one before starting on the project. Keeping HID ballast amp demand within circuit load capacity is crucial. On a 30 amp, 220v dryer circuit the ballast draws 4.5 amps. There's room to spare using three 1000-watt HID's wired for 220v. On a 110v circuit the ballast draws 9 amps and the majority of household circuits for 110v are 15-20 amp capacity, which means one HID per circuit. The ballast needs 50% above its base operating amp draw for start up. HID ballasts are wired for 220v or 110v; buy the right one.

The HID is regulated by a timer. Get one equal to the amp rating of your circuit. I recommend the 18-hour vegetative cycle run from 3 p.m. to 8 a.m. when you are likely to be home. Wire everything up working backwards from socket to plug, wipe the bulb with alcohol after screwing it in, then fire it up.

As the bulb fires up, get your air circulation fan, bought beforehand. It should be 8" or larger in diameter and have a sweep of 90° or better. Set it on something or aim it upward so it's moving air in the 3' to 5' layer. Turn it on and then bring in a note pad, a mercury thermometer with at least a 6" reading tube, and a hygrometer (it measures humidity), also purchased beforehand. Put both instruments about 4' to 5' off the floor and take

readings every 4 to 6 hours for a full 18-hour light cycle. This phase is *crucial!* The temperature range during light cycle must be between 66° and 80° and the humidity can go no higher than 60%.

If the temperature is over 80°, move the ballast out of the grow room; if not, leave it in, as the dry heat will lower the humidity. If the temperature approaches 80° only at the tail end of the 18-hour light cycle, it's okay. If it's over 80° earlier in the light cycle, run the exhaust fan for one five-minute cycle then see how far the temperature drops, and for how long. Basically, you're identifying specific times to run the exhaust fan to keep temperature within tolerable ranges—record the necessary exhaust cycle intervals. Humidity in basements could be a problem. If it is over 60% with no plants in the grow room, it will certainly go higher with them in and mold and fungus could be a problem. The answer is a dehumidifier or a vigilant eye and fungicide.

After the light cycle ends, the temperature will drop; as low as 56° is okay. Humidity will rise after the plants are in, adding exhaust cycles to lower humidity during the dark period will work since the basement will be relatively drier outside the grow area.

If the humidity and temperature ranges are okay, then the timer you buy to control the exhaust fan only need cycle it two times per day, twelve hours apart, to introduce enough fresh air for steady growth. After you are an experienced grower, a thermostat/humidistat can be used to control the exhaust fan; but in my own grow house, I've found that coordinating them with CO₂ injection is a real handful. Also, in my experience, the best pot I've grown has been in conditions of a low "night" temperature of around 60° with a maximum "day" temperature of 80° and humidity about 40%—the buds are resinous in the extreme.

The subject of CO₂ injection can be confusing. I'm going to skip a lot of detail and give you a quick formula. First, the air circulation fan stays on 24

continued over

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continued from previous page

hours per day. Rent a 50lb. CO₂ welding tank, aluminum ones are much easier to lift if you have a choice. You'll also need a **pressure regulator** to step the tank pressure down to safe levels for the **flow meter** and a short-interval electric timer, one that has on/off settings in one minute intervals, plus a solenoid regulator for the timer to activate on the tank. Regardless of what **regulator/flow meter** you buy, make **absolutely sure** you know how it works and can regulate the final discharge flow to 20 cubic feet per hour. ***This isn't what you inject! Read on.***

Calculate the volume of your room. The one I set up was 840 cubic feet. Multiply the volume by .0014; here the example is $840 \times .0014 = 1.176$. The result, here 1.176, is the cubic feet of CO₂ you squirt in per injection. If your flow meter is set at 20 cubic feet per hour, that's .333 cubic feet per minute. Divide your CO₂ cubic feet objective, here 1.176, by .333. The result here is 3.52, or roughly 4 minutes. So every injection cycle regulated by the short term timer should be 4 minutes. Then set the timer to inject 4 minutes of CO₂ every 2½ hours after the beginning of the light cycle to the end (no CO₂ during the dark cycle, no need for it). Make sure each cycle begins just after any exhaust cycle; synchronize timers or you'll waste CO₂. Run the CO₂ outlet tube to the center of the ceiling to allow the gas to drift down over the plants and get mixed by the air-circulating fan which runs 24 hours a day.

All of this may sound complicated, and frankly, a good grow room is harder to do than most think. But if you do it right the first time, it's like riding a bike; You never forget, and the plants will thrive.

The lure of hi-tech hydroponic units and their promise of bigger, better crops is hard to resist. But you're a beginner, resist it. The truth is that some of the simplest approaches work as well as any and are much easier to learn while doing.

Hydro set-ups are tricky to regulate. The nutrient solution has a critical pH range to be maintained at all times. Full recovery systems require close monitoring of nutrient combinations. And the quantity of trace minerals in the grow medium, either too much or too little, can cause even the pros fits. All in all, these problems are not that bad once you've had some experience, but not the first time out.

Organic soil mixes in containers are expensive. Correct supplemental fer-

fertilization ratios require continual adjustment as plants exhaust the containers' original contents, and trace mineral problems, again, are difficult to deal with. This method is also less forgiving of overwatering or overfertilizing.

Of all the approaches a soil-less mix is best. It is porous enough to drain easily (beginners overwater), can be leached of excess fertilizers with a heavy clean water rinse (beginners overfertilize), and is lightweight. Rather than grow bags, I recommend 5-gallon plastic buckets used to ship food products (no poisonous residues in the plastic). You need a 5-gallon size bucket for a 4-to 5-month old flowered plant to avoid root constriction and stunting. Plants in too small a container tend to flower prematurely.

Drill six 1/4" holes in the bottom for drainage. A 5-gallon bucket contains approximately one cubic foot. A good mix is 50% Perlite, 25% Vermiculite, 12.5% Peat Moss (no more), and 12.5% clean, coarse sand. Add one cup of finely ground dolomite lime to each bucket's mix. Buy the amount you need of each for the number of buckets you have and mix the ingredients thoroughly. This is an awful job; wear a mask and be glad to do it only once per crop. Fill the buckets to the rim and put them in the grow room.

The next concern is water and fertilizer application. Hand watering is best for the first few weeks of seedling life when plant needs vary a lot and they are most sensitive to more or less than optimum levels. After that you knock the plants around too much making a path. By the time the plants are three months old, there won't be room to move around much in the grow room anyway.

Regular delivery of water and fertilizer is best done through a drip system. Correctly set up, a drip system is similar to a nonrecovery hydroponic unit, with many of the same benefits. A good drip system allows irrigation at a slow, steady rate, avoiding soil compaction or unintentional leaching. You've got the adjustment just right when only a small trickle, $\frac{1}{2}$ cup or less, emerges from the drain holes after a watering cycle. As the plants grow and consume more you will have to add more watering cycles. It is preferable to have a series of short watering cycles rather than a single longer one. A wand-style water meter is inexpensive, and by probing the mix at varying levels in a few spots in a representative group of containers—test three pots for every ten in the room—you can tell if the plants are getting enough water. The meter reads higher or lower relative root moisture. I've never seen one that came with guide-

lines for correct cannabis root moisture, but after using a few, I've found the high 1 to low 2 reading level to be the objective.

A mixer proportioner, or MP, can inject a dilute fertilizer into the drip system each time you water. The emphasis is on *dilute*. I think Peters brand products are the best to learn with, are easily available, and dissolve completely even in highly concentrated solution. Somewhere between $\frac{1}{3}$ and $\frac{2}{3}$ of the recommended outdoor application levels is right. Read the instructions that come with the MP and the Peters to figure out how to load the MP correctly. It is always better to slightly underfertilize than risk burning the plants' roots. They do not recover from the latter very well.

Peters sells a number of mixes, but the following applies to nearly all commercially available mixes as well. In the first few weeks of seedling life, hand water with a root stimulating substance like Ortho Upstart. At three weeks switch to a balanced NPK combination like Peters 20-20-20. This is a transition fertilizer. At six weeks switch to Peters Pete Lite 20-10-20. The higher relative nitrogen (N) level promotes leaf/branch growth. The lower phosphorus (P) level (10) slows root growth and prevents premature flowering. When the plants flower at three to four months, switch to Peter's Blossom Booster 10-30-10 to aid floral (bud) formation.

As a convenience, I like a self-contained programmable timer controlling the watering cycles. You can get by without them but they never forget or have to go out of town for a few days, and when correctly adjusted they do it exactly right every time.

Linking the drip system, MP, and water timer together requires a bit of experimentation. Remember two things: A little trickle out the bottom of the bucket is your objective and the faucet pressure is the real key. When puzzled about how to regulate the system, think faucet pressure—more, faster drip rate; less, slower drip rate.

You've gotten this far and I still haven't even mentioned germinating a seed. When you see how much work is involved in set-up you might wonder why the hell home-grown appealed to you in the first place. But take heart, the hard part is over. All the rest, the actual growing, is fun, and when you have the grow room set up right, easy. Just be patient and methodical during set-up. It pays big dividends at harvest.

The grow room I set up is going quite well and the last pictures show plants averaging 20" tall and bushy at only four weeks. Even I was impressed.



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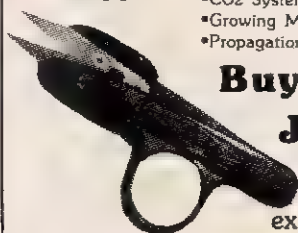
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continued from page 65

Dear Ed,

A farmer friend of mine suggested I use a product they use on their farm to control early-season insect problems. He gave me the name of a chemical called Temik, which they use on potatoes for nematodes and early-season insects. How late in the season can I use it before the chemical is out of the plants and they are safe to smoke?

—Chemical Questioner

Never. Temik has a long life and residues remain in both the soil and living tissues of plants. On Long Island, use of Temik in potato fields has caused extensive contamination of the ground water. It is now banned in that area of the country. The nematicide is considered extremely toxic. Do yourself a favor and do not eat produce grown on your friend's farm. If he uses well water, bring your own refreshments when you go to visit.

Dear Ed,

Does it hurt to mist my plants while the lights are on? I mist them three or four times a day to keep the humidity in the high 30's to mid 40's. My grow room is 7' x 7', and the humidity has gotten as low as 18%. Can this lower the THC content of the buds?

—Big Bud
West Virginia

I find it hard to believe that your small grow room should have such a low humidity. Most grow rooms have problems with high humidity since the plants transpire water through their leaves and there is usually evaporation from the growing medium.

It does not hurt to mist the plants during vegetative growth, but during budding it is not wise because the moisture could encourage molds and fungi to grow. Instead, use a room humidifier.

Dear Ed,

Which is the best variety of cannabis to use to make hashish?

—Paul
Bothell, Washington

Rob Clarke, who wrote *Marijuana Botany*, claims that the Afghani or *indica* varieties, which were cultivated specifically for hash production, have glands that separate from the plant much easier than glands from *sativas*. Moroccan and Nepalese plants, which are *sativas*, are also used for hash production.

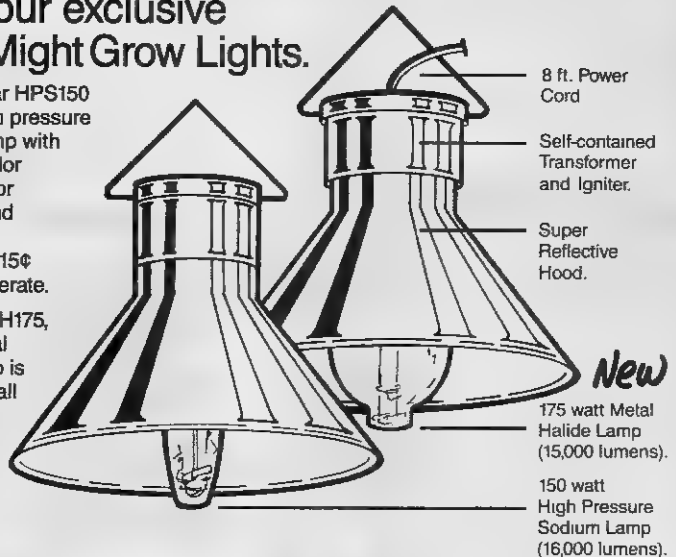
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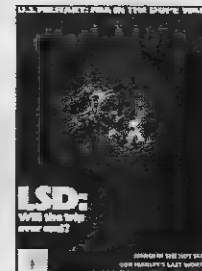
103. MARCH '84



104. APRIL '84



105. MAY '84



108. AUGUST '84



110. OCTOBER '84



112. DECEMBER '84



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115. MARCH '85



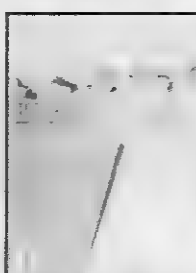
117. MAY '85



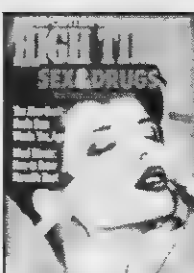
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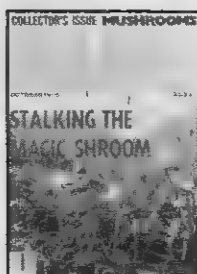
125. JANUARY '86



132. AUGUST '86



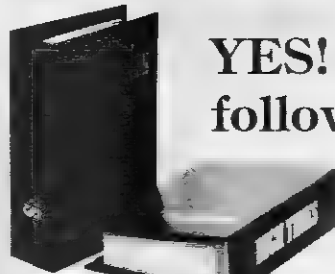
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ASKED

continued from page 71

Dear Ed,

I have often heard of making a tea out of cannabis stems and stock. Is this really potent? How's it done?

—Johnny Boy

Wichita, Kansas

Everyone knows that THC is not water soluble at room temperatures. It dissolves in most oils and alcohols. However, with ordinary kitchen "chemicals" and at higher temperatures, THC's properties change.

In India, many people drink a "bhanga lhasi" to get high. Bhanga is made by grinding dried, then rewetted marijuana leaf to a very fine texture. It is sold in balls that have an almost claylike consistency. Bhanga is a yogurt- or kefirlike drink made from milk. Of course, like all milk products, bhanga contains lecithin, which is an emulsifier.

Milk is an emulsion, a liquid mixture containing oils and fats, water and proteins. Emulsifiers allow the different substances to remain mixed together even though they don't combine molecularly, as in a solution. When you make Italian salad dressing at home, you add water, oil, and vinegar. The water and vinegar go into solution and form one layer, on the bottom. The oil floats on this solution. When the ingredients are shaken up, particles of oil and vinegar mix together, but very quickly separate out. What miracle allows the store-bought dressings to remain mixed for a while? Emulsifiers, sometimes even lecithin, which are found in soya beans as well as in milk.

When the bhanga is ground up, all of the gland heads containing the THC are broken up. As soon as the bhanga is mixed into milk, they form an emulsion in the liquid, which helps the THC cross the intestinal barrier and move into the bloodstream.

At higher temperatures, THC is much more likely to mix with water, even without an emulsifier. THC, like most oils, expands and becomes less viscous, and is much more likely to interact with water at higher temperatures. As an example, let's say you have a viscous oil on a plate. It is very difficult to wash off the oil using cold water. When hot water is used, most of the oil mixes with water and washes away. Of course to get the plate clean, you add soap or detergent, which contain emulsifiers, to "lift" the remaining oil off the surface.

When you make a hot tea, some THC mixes in the water. A vigorous boil is

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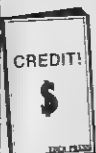
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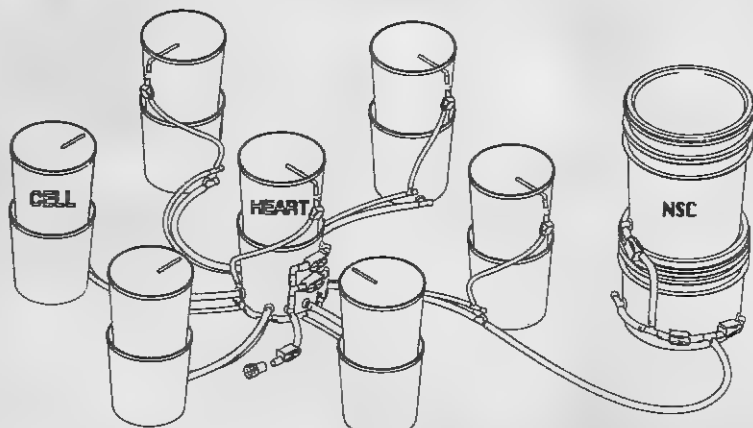
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A S K E D

continued from previous page

most likely to tear the THC from the vegetative material. Finely ground pot is much more likely to release the oil than material on which the glands remain intact. Adding an emulsifier such as lecithin, which is available at health food stores, would increase the efficiency of the operation. Of course, THC is alcohol- and oil-soluble. If your tea recipe calls for either to be included in the mixture, some of the THC would dissolve into this part of the mix.

Alcohol is an especially good liquid in which to dissolve THC because it passes through the intestinal barrier very quickly and easily. THC is much more likely to cross the barrier when dissolved in alcohol than when in an emulsion.

By now most Americans are familiar with espresso coffee. This strong brew is made by passing a combination of pressurized water and steam through very finely ground beans. I have not tried this, but I think that under these conditions marijuana would release its THC as the water passes through it.

Several years ago a friend of mine experimented with pot caps. He took fine-grade marijuana trim, ground it up after "moistening" it with olive oil, and stuffed it as tightly as possible into the largest capsules available from our local homeopathic pharmacy. Three caps was all he said he needed to get high. But the caps looked gross and most of his friends would not even try them.

Dear Ed,

I have finally decided to grow marijuana and could use some advice. I have a limited space and budget for my indoor garden. I was thinking of building my own grow box based on the Phototron design. My space is only 4 1/2' high, 2' wide, and 2' deep. I was planning to put four lights in each corner, line the space with foil, and install vents, drain, exhaust fan, and timer. What would you use as a medium? Do you think it will work?

—K.K.

Bayonne, New Jersey

The space has a total area of 4 square feet. When lights are placed overhead, people generally use two fluorescent tubes per linear foot. A 4' square space would use four 2' tubes, a total of about 80 watts. By placing the tubes vertically, you are creating a larger active growing space since the plants will be growing actively over a larger cubic area. You want to give the plants a very bright environment so you are planning to use 16 4' tubes. At 40

watts each that comes to 640 watts. I think that would create quite a few problems with heat—the tubes would emit more light than the plants could use.

Since the space is so small, the easiest arrangement might be to place a 150-watt HPS lamp on top. The electrical input would be about 37½ watts per square foot, twice the recommended minimum, and the HPS is the most efficient light available. The light would penetrate at least 1½' so that most of the space would support active growth.

If you are intent upon using fluorescents you might try using a slightly different lighting arrangement. Many hardware stores sell 8" diameter, 22-watt fluorescent converters that screw into incandescent sockets. I would install three boards, one on each of the three walls (excluding the door). Each board would have one incandescent socket per linear foot, or a total of four sockets.

To start, each of the two bottom-most lights on each board would be turned on, a total of six lights with an electrical input of 132 watts. When the plants almost reach the top of the second tubes, the next layer of lights is turned on, inputting another 66 watts. Later, the fourth row of lights can be turned on. This way you will only be using electricity when you need it. It will also help to keep the area temperature down.

Ventilation and providing CO₂ will be the biggest problems. A good fan and a small CO₂ tank could help a lot.

Dear Ed,

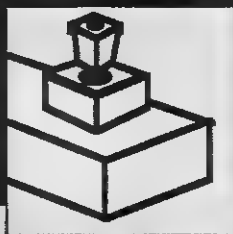
Our first crop is now 5½ weeks old, indoors, under a 1000-watt metal halide. The problem is hundreds of white-winged, gnatlike flies, which seem to breed in the soil. We have been using Ortho-Liquid Sevin, ineffectively. Do you have any suggestions?

—Ghani Grande,
Rio Grande, Texas

Your garden is probably suffering from a white-fly infestation. The most effective long-term treatment for this is a tiny nonsocial wasp, *encarsia formosa*, which is available from most biological control supply houses. The wasp lays its eggs in the fly eggs, on the bottom sides of the leaves. Within a few generations the wasps and white flies reach a natural balance. The white flies are not eliminated, but they are kept under control. The wasps do not bite and are completely harmless. In fact, they are so tiny they are hard to see.

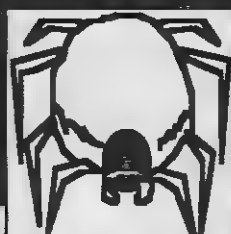
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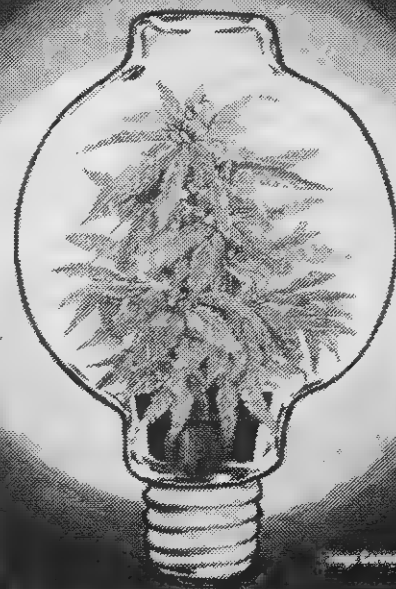
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A S K E D

continued from previous page

pyrethrum or pyrethrum-rotenone spray. This insecticide degrades in a few days and is harmless to warm-blooded animals, including humans. Introduce the wasps a week after the last pyrethrum use.

Sevin is definitely not good for your health. First, when you use the liquid, you inhale it, and it remains in the grow room for a while. Some residues probably remain on the plants.

Never use insecticide recommended only for ornamentals. If an insecticide does not specifically state in its directions that it can be used for food plants, it is not meant to be used on them.

Dear Ed,

Soon after you got ripped off for your Dead tapes, I was ripped off because of loose lips. What an experience. But it's not as bad as a bust. Loose lips got my buddy busted. They got a little under two pounds and smoking accessories. Threw him and his girlfriend in jail. I got her out but she still has to be sentenced. As for my buddy, they won't post bail for him because he got into a little trouble when he was younger (not marijuana-related).

It seems to me as though a lot of police are merely punks in uniform, and I don't mean punk rockers but "punk" as in "bully." People who are busting cannabis users or distributors are heartless and redneck dicks. They make distasteful remarks, play head games, laugh in your face, as they tell you you will never see the outside again. I think it's about time the police leave our children alone and stop taking our money, breaking up our families, and separating loved ones: Start going after real criminals.

Now for my tip. By using a lower phosphorous (P) flowering formula, or by mixing a percentage of growth nutrient formula in a high P nutrient formula, one gets a midbloom formula. Hydro-grown plants will take an extra two weeks to mature but will have a heavier yield and pistil formation growing in layers, rather than forming and then dying back.

Another way to use P control is to use the lower P mixture when the clones are first placed in the flowering room, until the crop is the desired height. Then switch to a formula such as 3-35-10. Then include calcium nitrate for extra calcium: extra calcium for extra heavy buds and the nitrate for continued good health of growing older growth.

—High Tech Party Hot Line
Rochester, New York

**I agree with your opinion: Free The
Heads! Jail The Feds!**

Dear Ed,

I have two questions.

I have heard that you should mist the garden with water to create "rain." But a friend of mine, who has been an indoor grower for several years, told me this washes nutrients out of the leaves and slows growth. Who is right?

I noticed roots hanging 8" out of my hydro unit's overflow tube. Will this cause fertilizer burn or root rot due to the roots being in the solution constantly? Should I cut the roots?

—Bad Bill

Somewhere in Missouri

The misting does *not* wash nutrients from the leaves. In fact some growers spray their plants with a dilute nutrient solution, since the nutrients are absorbed directly by the leaves.

Misting can certainly help in dusty environments because dust prevents lights from getting to the leaves and also clogs leaf pores. However, in most grow room situations misting is not required. In a room without good ventilation, it causes a big humidity build-up.

The roots will not get fertilizer burn or root rot, and they need not be cut. Although many growing instructions say that marijuana roots cannot remain in standing water, I have not found this to be the case. As long as some of the roots have access to oxygen in the growing medium, the plant roots growing in the water will remain healthy.

Dear Ed,

Would a fan inside my closet be beneficial to my plants? The window is too far away to circulate fresh air, but should I at least let room air in? How hard should the breeze be?

—Three Beltsville Farmers
New York

A fan would help circulate the air in the micro-environment near the surface of the leaves. This increases the amount of CO₂ available to the plants and thus the rate of photosynthesis. Keeping the closet door open would increase the amount of CO₂ in the closet too. Air is a solution of different gasses. Each gas tends to be distributed evenly in the solution. When the door opens, the excess CO₂ flows out, and oxygen flows into the oxygen-depleted closet atmosphere.

Dear Ed,

I have been receiving HIGH TIMES since the beginning. During this time I have read of many ways to store buds. So far, the method that I have found to be the best is the "canning" method. I have used this technique for ten years and have never failed with it. The buds are preserved, forever, in the same condition as

when they were put in the jar, no matter how many years in there!

Here's how I do it:

1.) Heat over to 150°.
2.) Place product into jars with twist-top lids (which have rubber rings sealed inside lid). Pack tightly and leave a 1/2" space on top.

3.) Place jars and lids (lids not on jars) in oven, on rack or pan, in upright position.

4.) Leave in oven ten minutes. This may overdry the top layer, but not to worry.

5.) Remove from oven, place lids on jars, and twist to seal tightly. The jars should be hot to the touch so use a towel.

6.) Leave jars covered with towel until they cool.

7.) The jars can be stored indefinitely and can be buried.

—R.D.

Washington

Thanks for your info, R. One more thing to remember. THC is destroyed by light, so keep the jars in a dark, cool place.

This month "Ask Ed" begins its fifth year. These 49 columns have truly been a pleasure, a learning experience, and a fantasy. I would like to thank you for your support, interest, and correspondence. Your letters and photos are the miracle I need every day. What a long, strange trip it's been!

Love and Peace

Ed

Next month's column, the fiftieth in this series, will feature lighting questions, answers, and tips. By the time you read this, it will be too late to send questions for the column, but there is a good chance someone else had a similar query. Also, I am planning another theme column, on Homegrown Hydro Units. If you have designed your own hydroponic system, send along a detailed description of it, along with a photo or drawing. Deadline for material to be included in the column is receipt at the HIGH TIMES offices by November 2.

● I welcome comments, tips and questions regarding marijuana and marijuana cultivation. Send all letters to Ask Ed, HIGH TIMES, 211 E. 43rd St., New York, NY 10017. Also send entries for the Bud, Plant and Garden of the Month Contests. All correspondents whose letters or photos are used will receive a free copy of my book, **Marijuana Growers Handbook, Indoor/Greenhouse Edition.**

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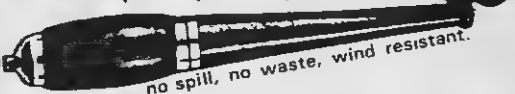


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CASE IN POINT

LEGAL DEFENSES FOR INDOOR GROWERS

JEFFREY STEINBORN

(Part 2, continued from last month)

(2). Power company employees and records of power consumption by the defendant: Many indoor-farm investigations are initiated by power company employees, either in response to high electric bills or to their observation of suspicious conduct or suspicious buildings, such as those with large ventilators and no windows. As of April 10, 1986, power companies in the state of Washington have permission to provide power consumption information to law enforcement officials without any prior judicial approval.⁶ This decision may be interpreted by power company employees as license to tip off the police to suspicious conduct. If you encounter this, investigate!! Power company employees are reluctant to be interviewed by defense investigators. Dislike for drug traffickers, together with fear that they may have done something that might get them and their employer sued, may be at the bottom of this reticence. Push hard on this one, even if you have to interview them in the presence of the company lawyer.

Fruitful areas of investigation here are many: What information did the power company or its employees provide to the

police; was it volunteered, requested without prior judicial approval, subpoenaed, or taken pursuant to search warrant on less than probable cause; what is the company's position on release of subscriber records; were the power company employees solicited by local police to be on the lookout for high power bills and suspicious conduct or buildings?

While at the power company, there are some other records you should get. County or statewide statistics for average power consumption of subscribers, history of power consumption at the address searched, information regarding the type of heat employed at the address, and often most interesting, a list of all subscribers who used as much power as your defendant did during the same period—you may be surprised to find there are many.

(3). High Power Consumption:

Where "high" power consumption is alleged as an element of probable cause, you should spend a lot of effort attacking this element. It has many weaknesses:

(a) Warrantless seizure of records of individual subscribers' power consumption may be an invasion of privacy under

state law. At the risk of making some bad law, this is a good area for litigation. Many trial court judges are offended by this warrantless seizure. The Washington Supreme Court addressed this issue only under the Washington Privacy Act, while specifically refusing to consider whether the same conduct might violate the constitutional right to privacy.⁷

(b) An allegation that high power consumption is evidence of illegal activity is almost always conclusory, and should be shown by you to be deceptive. There are too many legitimate explanations for "high" power consumption for this to be considered evidence of criminal conduct, as one Washington Appellate Court has held.⁸ Power company statistics will probably show that there are many other subscribers in the area that have similar power consumption. The local power company can supply you with a list of appliances and their average draw. You will discover that there are many commonly used items that draw a similar amount of power. If hot tubs and saunas have become popular in your area, they make a good example. Kilns, welding equipment, and electric heaters are others. Did the affiant make any attempt to determine that one of these was not the explanation for the power use? Is the affiant aware of any search warrants using high power consumption as probable cause where the search revealed no marijuana?

The recent explosion of legitimate indoor gardening is another fact that may be used to illustrate your contention that high power consumption is not a sign of illegal activity. Most major lightbulb manufacturers have research departments working on commercial applications of phytoillumination. Virtually anything that grows under the sun will grow under lights, even at a profit. In the Pacific Northwest, there are now a number of large commercial indoor farms, growing legitimate crops.

The Indoor Light Gardening Society of America has its headquarters at the **New York Horticultural Society, 128 W. 58th St., New York, NY 10019**. They have about 35 chapters around the country, some of whose gardens may be raided erroneously. If you can find a member

who has already had this experience, or who shares this concern, find a way to call him as a witness. The point you want to demonstrate is that using evidence of high power consumption, or evidence that *something* is being grown indoors, as an element of probable cause has inherent dangers. Police surveillance and raids on legitimate activities are not only intrinsically destructive, but also have a chilling effect on legitimate activities. Argue that the magistrate demand the police provide more evidence than anonymous or unreliable tips; lights; ventilators; or condensation on the windows. Remember, when the police come to the door with a search warrant, it's a major trauma. Their visit may leave animals dead, children terrified and even plagued with nightmares, and houses in shambles. The emotionally traumatic aftermath of a police raid is similar to that which follows a burglary.

(4). Police corroborative investigation:

The search warrant will usually contain reference to the fruits of independent police investigation aimed at corroborating the tip or police suspicions. Most of this will take the form of observations made at the scene of the farm: boarded windows, bags of dirt, ventilators or their sound, evidence of attempts to protect privacy, such as fences, signs, or guard dogs. Critical to the defense of cases where the supporting affidavit contains only allegations of circumstantial evidence is the argument that even under **Illinois v. Gates, 462 U.S. 213 (1983)**, the standard case by which federal and many state⁹ search warrants are judged, anonymous or otherwise unreliable tips supported by corroboration of innocent, if consistent, details may not be enough. The police corroboration in **Gates** focused on activities *specifically* suggestive of drug activities. The court there found the suggestive nature of the corroboration to be dispositive, observing, at 76 L.Ed.2d 527:

"Even standing alone, the facts obtained through independent investigation... at least suggested that the Gates were involved in drug trafficking."

The rather unusual modus operandi predicted by the informant in **Gates** was "substantially corroborated" (76 L.Ed. 2d at 541).

Some state courts have rejected the **Gates** holding,¹⁰ making even more clear the requirement that where the initial tip is inadequate, corroboration must go be-

yond verification of innocuous details. But even where the **Gates** rules are accepted, the courts should be urged to require more than corroboration of the most innocent conduct. This theme runs through every element of your challenge to the search warrant.

If the observations are of innocent details consistent with the conduct of a citizen who merely wishes to protect his privacy, emphasize this, together with the inherent danger in treating evidence of innocent conduct as probable cause. Examples are fences, warning signs, windows covered with boards or black plastic, guard dogs, or alarm systems. The suggestion that the presence of fans or ventilators is significant should be challenged. Legitimate indoor growing, workshops, paint shops, or storage of automobiles or other items requiring a controlled atmosphere are equally plausible explanations. What efforts have the police made to eliminate these possibilities?

If the police had to trespass to make these observations, make that clear.¹¹ There is support for the argument that it is one thing for the police to stumble onto a crime while in the course of ordinary legitimate police business, and a far different thing to "stumble" onto it while specifically searching for it.¹²

(5). The "plain smell" doctrine:

One of the toughest problems in these affidavits is the allegation that the police detected the "odor of growing marijuana" at the scene. Like the old "dropsy" cases, where the drugs just happened to drop out of the suspect's pocket or wallet, this has become a favorite among the police. It fills many a gap in probable cause and is difficult to dispute. But don't give up. Your client's word that there was no smell won't get you far, but good investigation might. What steps had your client taken to eliminate the smell? If your client has learned to eliminate the smell by the use of a sealed CO₂ injected room, using ionizers, air conditioners, and dehumidifiers, you may be able to impeach the officer who testifies that he could smell something coming from the grow room. If you are in a position to present significant evidence, the makers of some of this equipment may have specifications or even witnesses who will testify to the effectiveness of their equipment at eliminating odors.

You may also want to investigate whether the odor was ever detected by the mailperson, newspaper boy, neigh-

continued on page 89

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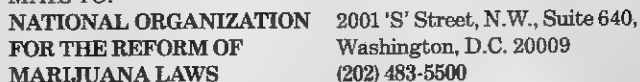
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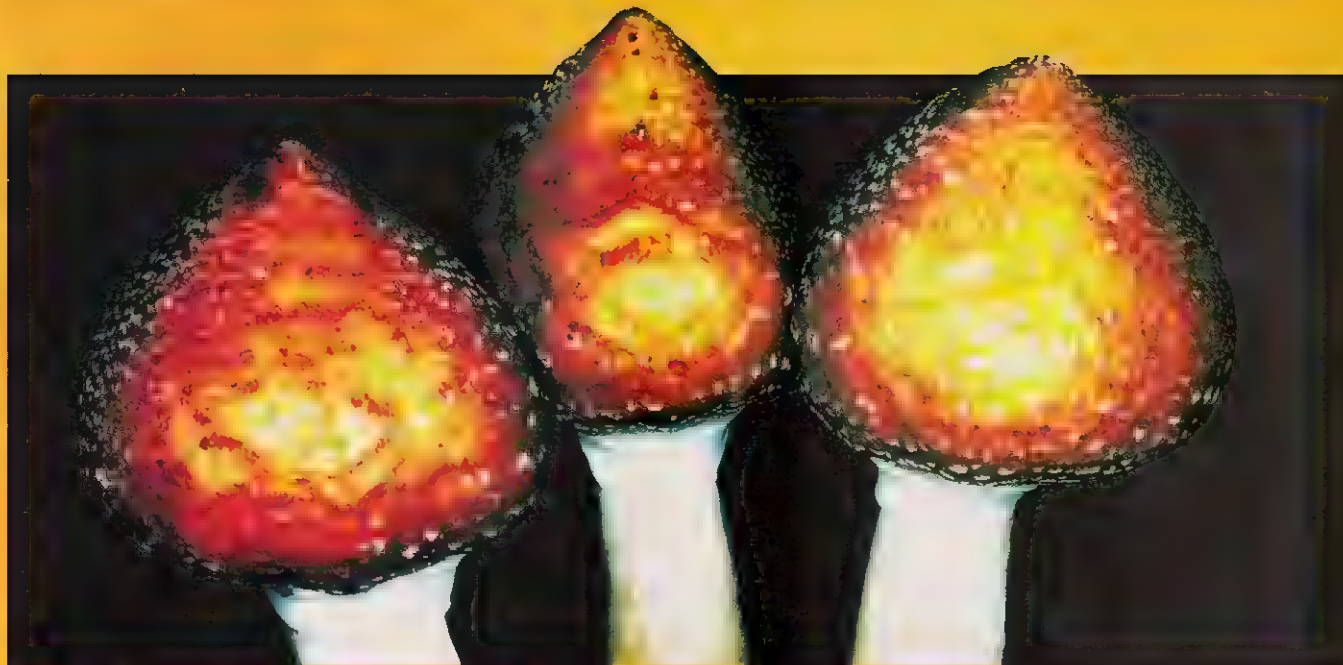


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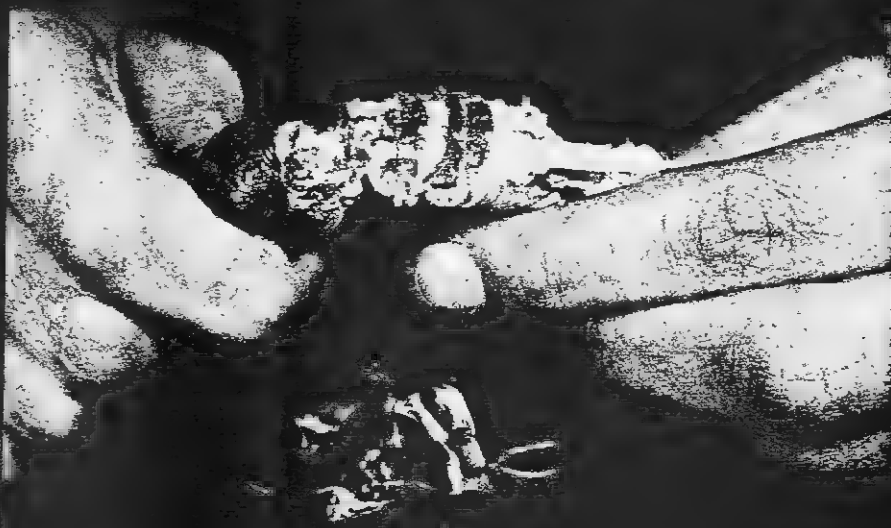
Things you can do at the New Orleans Jazz and Heritage Festival (the last weekend of April and first weekend of May, every spring).

JOHN LELAND

1. Yell "**Burn, K-Doe, burn**" over and over for about five minutes as **Ernie "Mother-in-Law" K-Doe** plays the second of his one and one-half hits.
2. **Not** laugh when Ernie "Mother-in-Law" K-Doe tells all and sundry that he is often imitated, never equaled, and the greatest musician ever to come out of New Orleans.
3. Listen to an endless stream of **old R&B records** in a bar tended by a washed-out blonde who has big arms and a big thirst, and a big, friendly voice that politely tells you why the bar no longer has washing machines.
4. Find another bar that does.
5. Eat oyster po'boy sandwiches as long as your arm (and better tasting) for four bucks.
6. In the same soul food restaurant from which you copped the po'boys, listen dumbfounded as the executive director of the **Jazz & Heritage Foundation** tells a Senegalese exchange student all about Africa.
7. **Hide** your **HIGH TIMES** hat when the Louisiana law pulls you over.
8. See the **Neville Brothers** and **King Sunny Ade** on the same bill on a riverboat.

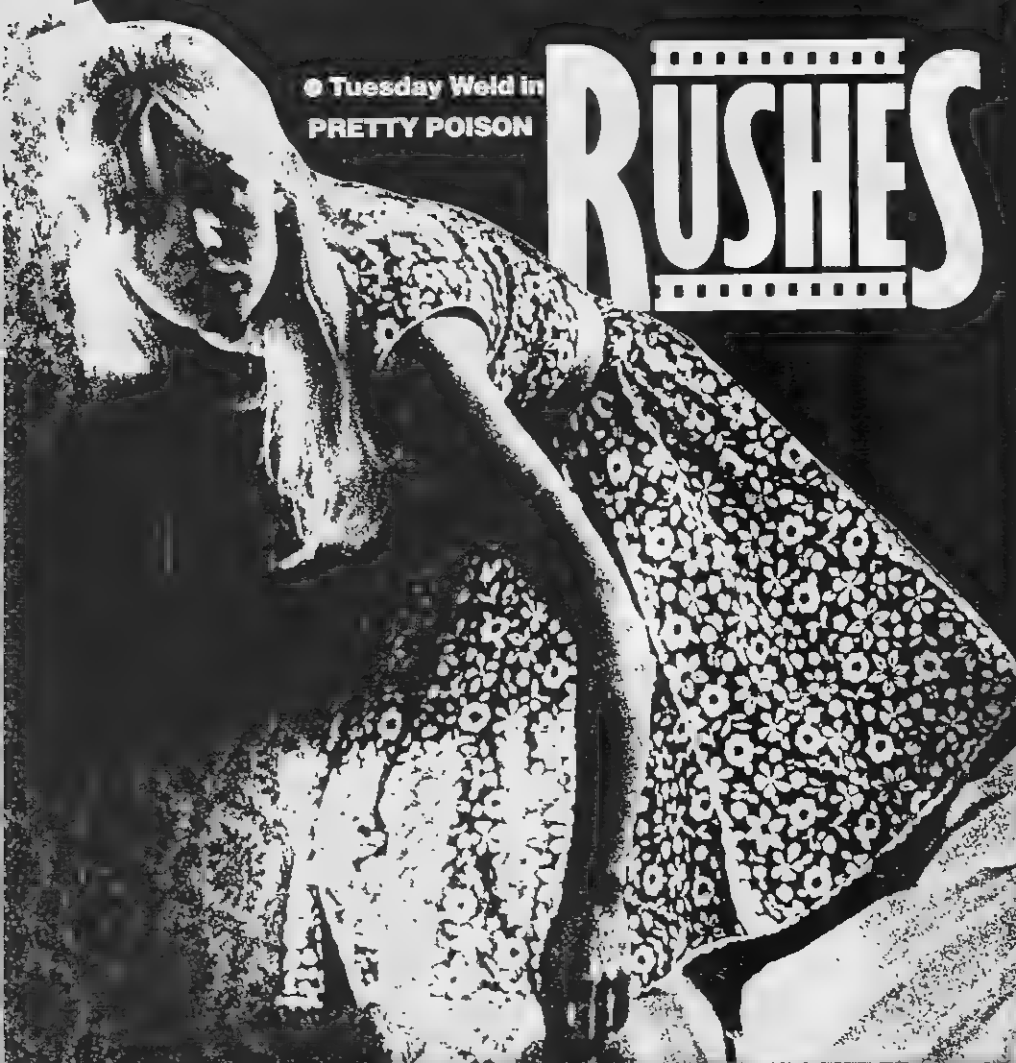
9. **Hide** from the same New York rock critters you hide from in New York.
10. **Eat alligator**, but only once, 'cause it's pretty disgusting.
11. Walk around the **Garden District** and wish you owned a big Southern mansion with an ironwork balcony in a neighborhood that smelled so much like heaven.
12. See **Etta James** shake that industrial-strength thang like it was God's own maraca.
13. Agree that it just might be.
14. See her at the second set with sleeves suspiciously rolled down and that enormous thang planted on a stool, but singing the hell out of a set built of heartache and desperation. Also singing **Al Green's** "Love and Happiness."

15. Shake your own thang as if it were Satan's own party favor at an unlisted gig by **Re-Birth** brass band at a funky little roadhouse in a neighborhood your **hotelier** told you to avoid. Drink bourbon from plastic cups. Watch a dance crew called the **Fifth Division** form a circle and scream, "Get paid, homeboy, get paid," to the dancer in the center.
16. Use suntan lotion.
17. Suck dozens of crawfish heads and not once think about the cockroaches back home.
18. Eschew the accepted local custom of calling cajuns "coon ass."
19. See an impromptu performance of quiet and indescribable beauty by an old cajun violin-maker and two of his cronies.
20. Say, "Yeah, you right" a lot.
21. Hear **Crazy Horse** and **Lisa Lisa** back-to-back on the radio.
22. Skip **Robert Cray**, the **Fabulous Thunderbirds**, and **Wilson Pickett**, but not the **Golden Eagles (Mardi-Gras Indians)** or **zydeco drunkards Boozoo Chavis**.
23. See the third girl from the right in a high school gospel choir faint when the boy soloist (who looks like **Sam Cooke** and sings like **Marvin Gaye**) gets loose, and wonder whether the Lord doesn't in fact move in mysterious ways, or whether there are other forces at work.
24. Join a dancing parade even though you don't have an umbrella and your back has bones in it.
25. Tell everybody you talk to that you're definitely coming back next year, even though you probably won't.



© Tuesday Weld in
PRETTY POISON

RUSHES



by Jim Poling

PRETTY POISON (Prism)

The real surprise is how long it took for someone to release this chilly, dark comedy on tape. Tuesday Weld has never been more appealing or as lethal as she is here playing a demented majorette in a small Massachusetts town who seduces a neurotic local boy (Anthony Perkins) into multiple murder. Who wouldn't kill for Tuesday, whose performance as a virginal, all-American dream date makes this film second only to *PSYCHO* in its vivid depictions of sexual desperation and madness?

SECRET HONOR (Vestron)

A harrowing and funny one-man show starring Philip Baker Hall (reprising his stage role) as Richard Nixon facing his last hours in the White House with only a tape recorder and a bottle of Chivas Regal at his fingertips. Relishing his past glories, ignoring his failures, Nixon grows more and more psychotic in his drunken upbraiding of Casto, Kissinger, Hiss, and Kennedy—any Kennedy. Directed by Robert Altman.

THE KILLER INSIDE ME

Author Jim Thompson is finally getting his due, but if you settle for just seeing the movies based on his books, you may wonder what all the fuss is about. The progenitor of pulp detective fiction, his first sale was to *TRUE DETECTIVE* magazine in 1920 at age 14. He wrote quickly and primarily for money, the bulk of which output appeared in the '40s and '50s—savagely, almost berserk mysteries sandwiched between covers sporting bare-chested men towering over bruised blondes pouring out of their half-slips and soiled bras. Tag lines promised "harlots, harridans, and homicide" and Thompson delivered much more than these 25¢ paperback originals even promised. *THE KILLER INSIDE ME* (Warner), Thompson's best-known novel, impressed Stanley Kubrick as "the most chilling and believable first-person story of a criminally warped mind I have ever encountered". (Thompson also wrote screenplays for Kubrick's *THE KILLING* and *PATHS OF GLORY*), but the film version settles for cheap. Made in 1975 and never released theatrically, it stars Stacy Keach, physically the perfect Thompson anti-hero, as the deranged Southwestern lawman whose

dealings with civilians give him an opportunity to vent his sexual pathology. It's as if Ted Bundy took on the job of sheriff in Mayberry. But the movie is all shrill music and zooms on Keach's rolling eyes. You'd think if any director could do justice to these violent home-spun Gothics it would be Sam Peckinpah, but *THE GETAWAY* (Warner) replaces the author's quick-gun narrative for the director's trademark slo-mo shootouts and car wrecks; the violence is crowd pleasing and giddy when it should be rotten and perverse, and Ali MacGraw is no Jim Thompson dame. The bleak and sadistic satire of the author's best novel, *POP. 1280*, turned up as the French black comedy *COUP DE TORCHON* (Embassy), reset in '30s equatorial Africa. It's about a dullard of a police chief who bores people to death before shooting them, an idea that must have amused the sardonic Jim Thompson. If these films don't exactly bring his ideas to life, go back to the novels where the rancor is as pure as hell.

THEY MIGHT BE GIANTS (MCA)

Bordering on the very precious, but less cloying than the similar *KING OF HEARTS*, its elements of charm and the dark side of fantasy have made it very popular among those who read only Kurt Vonnegut novels. George C. Scott is a very daft gentleman who believes himself to be Sherlock Holmes. Joanne Woodward is his psychiatrist "Dr. Watson" who finds herself drawn into his possibly dangerous dream world.

FEDERAL FOLLIES (Brookeville Productions)

Are Asian brains really all that different from "other" brains? You bet. Can Latin Americans be coached to wash their hands after going to the bathroom? I should hope so. Is it absolutely hopeless to expect the U.S. Army to stifle their horny impulses when approaching barnyard animals? Probably not. Very important issues are tackled by this collection of strictly *outré* "educational" films, courtesy of the United States government. Some familiar material is covered: shore leave V.D., "duck and cover" tactics in case of a nuclear attack, and the tragic tale of a sailor whose naval career is ruined after smoking marijuana. Especially valuable for marooned astronauts with hunger pangs, since NASA was kind enough to provide us with Julia Child's recipe for whipping up "primordial soup" in a pinch. Available in three volumes.

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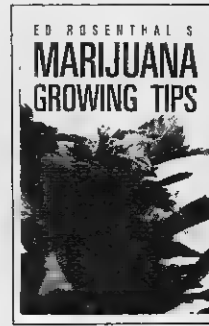
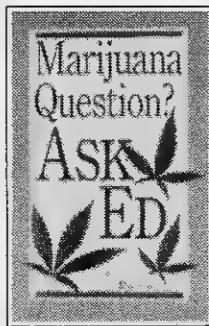
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CASE

continued from page 81

bors, or even by other officers not involved in the initial investigation (and thus the conspiracy to deceive the court on this matter), but present as backup at the execution of the search warrant. If your investigator can sneak up on them with this one, you may get a pleasant surprise.

If the officer who claims to have smelled the marijuana is also the one who later estimated its value, you may be able to impeach him by showing that he has grossly inflated the quantity and value of what was seized. They almost always weigh it wet, including stems, roots, leaves, and dirt, and then ask the court to believe that the full weight could be sold at \$2,000 per pound. If you take the time to examine the evidence yourself, you will probably have the opportunity to demonstrate that the officer does not have a reverence for the truth. If this fails, an examination of other warrants by the same officer may turn up other instances where he has claimed to have smelled marijuana and the claim was disputed.

Do not overlook the opportunity to challenge the "plain smell" doctrine on its face. Some "experts" have suggested to me that there are many pungent plants whose scent is indistinguishable from growing marijuana. Skunk cabbage is the favorite villain, but I'm not aware of anyone who has dared to try it in court. If you have the budget, this might be a fruitful area.

The allegation that the police have smelled the odor of growing marijuana may be challenged on another, usually more successful ground: If the police were standing on private property when they made the smell observation, this conduct may render their observations unlawful. An unfenced yard is probably not safe, but where the area surrounding a residence (not a rural outbuilding) is enclosed by a fence and posted against trespassers, many courts will hold that a warrant is required to enter upon the enclosed area. If, however, the area is accessible to the general public, most courts will rule that the police also have the right to be there.

Another frequently encountered police tactic is the ruse whereby police gain access to the property or the inside of the home on some false pretense. Once past the gate or threshold, they then claim to

continued on page 96



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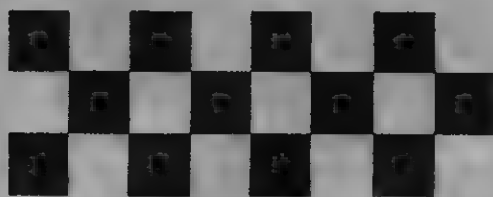
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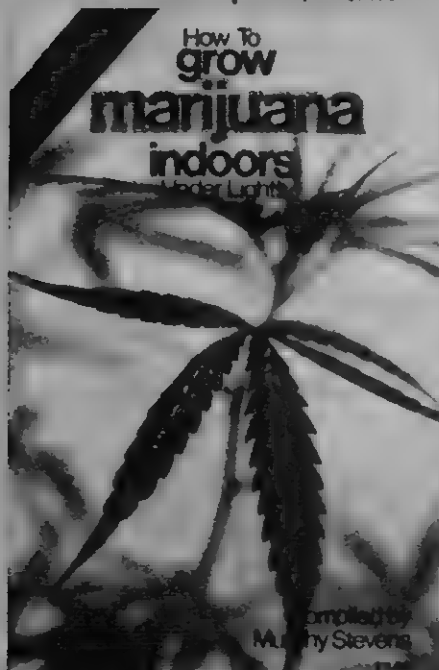
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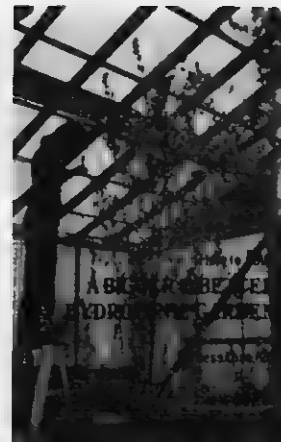
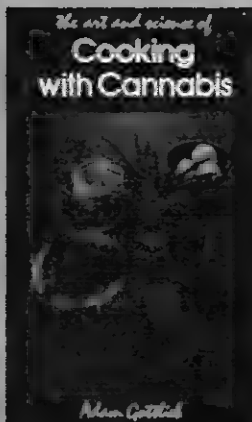
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have smelled marijuana, and obtain a search warrant based upon this claim. This technique must be challenged aggressively. Virtually every "ruse" case to date has involved an existing search warrant, not a situation where the initial entry had never been approved by a judge. This is new ground which should not be broken. If the police can simply trick a suspect into allowing them into his home, the search warrant requirement becomes meaningless. Critical to this argument is the fact that a "plain view" observation, by its basic definition, is only permissible in a case where the police are at the location on some legitimate business unconnected with a search for evidence of the crime, and *inadvertently* came upon the evidence.¹³

(6). High-tech surveillance:

Local police have recently begun using high-tech equipment in their assault on indoor farms, some of it on loan from the DEA or other agencies such as the Forest Service. High-powered telescopes and cameras have become commonplace, and most states do not require a warrant for their use, although, to the extent that these devices allow observation of that which would not be detectable to the naked eye, there is a good argument that a warrant must be required.¹⁴

One of the more alarming technologies appearing in the war against indoor farms is the infrared scanner. The one I have encountered is the "Probeye," manufactured by Hughes Aircraft Company. This is a hand-held model that costs about \$15,000. It appears to be capable of detecting even minute differences in heat radiation, and is clearly adequate to detect heat radiating through the walls of an uninsulated room, or from a vent. There are apparently models that will work from airplanes, but I have yet to encounter one. This equipment is apparently difficult to use: Hughes Aircraft offers a seminar in its use, for about \$900.

Interpretation of the data as a part of probable cause is not yet a science. Some police seem to feel that the data from these devices is too ambiguous to use as probable cause, and you should certainly make this argument, using expert testimony if it is available. But even if not used as a part of probable cause, the use of this device confirms in the minds of the police that their suspicions are true, and will motivate them either to investigate more diligently or simply to fabricate, having been assured by the results of the infrared scan that they won't be embarrassed by coming up dry.

Litigation challenging this technique as an invasion of privacy in Washington State is anticipated, but results are prob-

ably far in the future. Although the Washington Supreme Court has recently approved aerial surveillance, as have most other courts, their opinion leaves room to hope that the added intrusiveness of high-tech devices, particularly those that operate at close range, may cause a court to choke before accepting this escalation.¹⁵ I have seen "Probeye" evidence in one trial court level case. The trial judge there ruled that use of the device constituted a search, and that a warrant was therefore required. The evidence was suppressed.

This and similar techniques should be challenged aggressively. Pretrial discovery aimed at showing the intrusive capabilities of available modern technologies should be employed to demonstrate to trial courts the potential of these techniques to invade the privacy of the home. Will the military soon be sharing its surveillance technology to penetrate the walls of the home? Just how much private information can now be retrieved by this technology? What assurance do we have that police officers, patrolling in their cars or airplanes, will not make their own rules, randomly observing any activities that stimulate their interest?

If you have a case that employs these technologies, demonstrate their potential for abuse and argue that prior judicial approval should be required. I believe it is possible to demonstrate that modern surveillance technology is now capable of virtually eliminating the privacy once thought to be provided by the roof and walls of a private home. Most judges will balk at opening that door.

In addition to raising the spectre of George Orwell's 1984, this type of surveillance evidence should be attacked by demonstrating that it is inconclusive and inherently threatening to the right of privacy. For example, how many explanations are there for "excessive heat" radiating from a structure? How much heat is "excessive"? How many structures give off enough heat to be suspect in the eyes of the police? What steps did the police take to eliminate the possibility of legitimate explanations for the heat? How do the police distinguish between the legitimate and the illegitimate?

The judge as the protector of privacy

A final word: Police use of search warrants in the quest for narcotics has seriously eroded the line between the legitimate law-enforcement needs of the police and the privacy rights of the citizens at home. The magistrate, appointed by the Constitution to guard and preserve this line, has been encouraged by court decisions and public opposition to drugs to abdicate. Litigation of privacy issues presented by search warrants for

indoor gardens provides lawyers the forum, in a context where issues are not as emotionally or politically clouded as they might be with more serious crimes, to persuade the judiciary that it still has an important function to perform when search warrants are sought or challenged—and that the importance of this function increases with the effectiveness of available surveillance technology. Many magistrates, and many judges who review their search warrants, have come to feel that if the police want to search and take the trouble to go to a magistrate, that should be enough. This reluctance to intervene must be confronted. As the United States Supreme Court, in an era that now seems prehistoric, once said:

*"We are not dealing with formalities. The presence of a search warrant serves a high function. Absent some grave emergency, the Fourth Amendment has interposed a magistrate between the citizen and the police. This was done not to shield criminals nor to make the home a safe haven for illegal activities. It was done so that an objective mind might weigh the need to invade that privacy in order to enforce the law. The right of privacy was deemed too precious to entrust to the discretion of those whose job is the detection of crime and the arrest of criminals. Power is a heady thing; and history shows that the police acting on their own cannot be trusted."*¹⁶

FOOTNOTES

¹Probable cause is the standard of proof required to obtain a search warrant. Evidence submitted by the police must establish a "probability" that evidence of a crime will be found at the place to be searched.

²Disclosure of identity may be ordered in some jurisdictions where the defendant makes an adequate showing. See, e.g., *State v. Casal*, 684 P.2d 1375 (Wash. App. 1984); *Contra, State v. Wright*, 511 P.2d 1223 (Ore. 1973).

³*McCray v. Illinois*, 386 U.S. 300 (1978) seems to approve such an inquiry in dictum. *Parsley v. Superior Court*, 513 p.2d 611 (Cal. 1973) elevates full cross-examination of S&E witnesses regarding reliability of an informant to a constitutional right where the informer privilege is claimed by the State.

⁴See, e.g., *U.S. v. Valle-Ferrer*, 739 F.2d 545 (11th Cir. 1984); *U.S. v. Walker*, 720 F.2d 1527 (11th Cir. 1983).

⁵See, *State v. Fort*, 501 A.2d 140 (N.J. 1985).

⁶*In Re Rosier*, 105 Wn.2d 606 (1986).

⁷*In Re Rosier*, 105 Wn.2d 606 (1986).

⁸*State v. McPherson*, 698 P.2d 563 (Wash. App. 1985).

⁹Washington has rejected the Gates standard. *State v. Jackson*, 688 P.2d 136 (Wash. 1984) rules that the "two prong" test of *Aguiar-Spinelli* is the Washington standard. *People v. Campa*, 686 P.2d 634 (Cal. 1984) appears to reject Gates. This writer is not aware of the effect of Prop. 8 on this standard. *Aguiar-Spinelli* is codified in Oregon, ORS 133.545.3; *State v. Smith*, 700 P.2d 311 (Ore. 1985).

¹⁰If you are in State court, and your state has not yet committed to the "totality of the circumstances" test, do not overlook the opportunity to argue independent state grounds for suppression. See Collins, RELIANCE ON STATE CONSTITUTIONS—BEYOND THE "NEW FEDERALISM," 8 UPS Law Rev. vi. (1985).

¹¹While recent Federal law allows police warrantless trespass, the issue is not settled in Washington. Cf. *State v. Myrick*, 688 P.2d 151 (1984).

¹²Utter (Justice of the Washington Supreme Court), SURVEY OF WASHINGTON SEARCH AND SEIZURE LAW, 9 UPS Law Review, 106-07 (1985), cases therein.

¹³*Coolidge v. New Hampshire*, 403 U.S. 443 (1971).

¹⁴See, e.g., *United States v. Kim*, 415 F. Supp. 1252 (D. Haw. 1976); *State v. Manley*, 503 P.2d 306 (Wash. 1975); *State v. Jones*, 653 P.2d 1369 (Wash. App. 1982).

¹⁵See *State v. Myrick*, 688 P.2d 151 (Wash. 1984).

¹⁶*McDonald v. United States*, 335 U.S. 451, 455-56 (1948).

THE HIGH TIMES TOP 100

↓ LAST MONTH!

- | | | | |
|--|--|---|---|
| 1. BONGHITS (3) | 26. C.B. RADIO
CHANTING THE KAMA
SUTRA STONED | 51. THE THE
SATIVA
K.G.B.
(KILLER GREEN BUDS) | 76. NO HANGOVERS!
HAEL - HAM
(THAT I AM) |
| 2. JOINING NORML | 27. DUMP RAYGUN (9) | 52. ASTEROIDS | 77. FUCKHEADDDD |
| 3. RED RIVER
BOTTOM
GOLD BUDS (10) | 28. Psychedelics | 53. Frank Zappa | 78. Post Nasal Drip |
| 4. CHEECH + CHONG (36) | 29. SEX (2) | 54. MAN, THIS STUFF IS STICKY!!! | 79. FOREPLAY |
| 5. L.S.D. (5) | 30. LIVING OUTSIDE THE USSR | 55. THE RAPTURE
LIFE'S A BITCH,
THEN YOU MARRY ONE | 80. DEATH HITS
(YOU GOTTA COUGH TO GET OFF!) |
| 6. GRATEFUL DEAD (1) | 31. XTC | 56. Old Friends | 81. KILLING DEER
(SAYS BRIAN) |
| 7. BOOKS | 32. SENSORY DEPRIVATION | 57. MY CAT, ISIS | 82. ANIMAL LOVERS
(SAYS ANGIE) |
| 8. FROZEN CHOCOLATE
CHIP COOKIES (73) | 33. JESUS CHRIST | 58. Doin' FATTIES | 83. SEX WITH ANGIE
(SAYS EVERYBODY) |
| 9. ALICE COOPER
HONEST, RELIABLE | 34. GRASS
HOT, RAUNCHY, MACHO | 59. BREW TOWSKI | 84. Air Supply
HAPPINESS IS THE BAG
OF POT THE COPS DIDN'T FIND |
| 10. CONNECTIONS | 35. FUCKING | 60. CODEINE | 85. BEE BIM BOB
(KOREAN DISH) |
| 11. HENDRIX (26) | 36. CAPITALIST
SPACE COLONIES | 61. Stevie Nicks in Leather | 86. MUTUAL
MASTURBATION |
| 12. MOZART | 37. SHMEE
(KICK-ASS WORD FOR POT) | 62. DEEP fuckin' PURPLE | 87. REMOTE CONTROLS
EVERLASTING
GOBSTOPPERS
LEAVING YOUR BODY WHILE |
| 13. The Doors (19) | 38. DEAD HEAD
STICKERS | 63. STONER WEAPON | 88. FLASHBACKING AT A PARTY
IT'S STEAMIN', ITS SMOKIN' |
| 14. GIVING UP BOOZE
(SMOKE POT INSTEAD) | 39. ACID ART | 64. MISTER HOWELL
ON GILLIGAN'S ISLAND | 89. MY BRAIN IS BROKEN |
| 15. LED ZEP (7) | 40. METALLICA (60) | 65. SQUIBLIBIAN (12) | 90. BEER (ESP. BUD, BECK'S,
+ ANCHOR STEAM) |
| 16. The Rasta Dog of Getaway | 41. SOUTH AMERICAN
AIRSPACE | 66. "THE LONGER YOU STAY THE MORE
YOU PAY - MY WHITE LINES GO
A LONG WAY - EITHER UP YOUR NOSE
OR THROUGH YOUR VEINS - THERE'S
NOTHING TO GAIN EXCEPT KILLING
YOUR BRAIN" (COCAINE) | 91. HOWARD STERN (39) |
| 17. BEATLES (16) | 42. RONALD REAGAN (11) | 67. CHOPSTICKS | 92. GETTING FLASHED
BY A PRETTY GIRL |
| 18. Allen Watts
HOT, PASSIONATE SEX
WITH ANDREA D. | 43. THE SMUGGLERS
BLUES @ | 68. Hard-ons in Church | 93. RUNNING
OVER CATS |
| 19. FREEDOM | 44. ATOMIC FLOWER POWER | 69. POT IS AN HERB,
REAGAN IS A DOPE | 94. CHICAGO
WHITE SOX |
| 20. Pink Floyd (14) | 45. Panama Red | 70. COMPUSEX
(SEX VIA COMPUTER MODEM) | 95. ORAL SEX WITH SMALL
DOMESTIC FARM ANIMALS |
| 21. 'SHROOMS (13) | 46. Felix the Cat | 71. KAYA | 96. G.L.O.W. |
| 22. PARTYING IN
PROVINCETOWN | 47. THE BEACH
ICE, COLD,
MOUNTAIN DEW | | 97. THE BLUE DOGS |
| 23. William Blake | 48. FIRE IT UP HELL! | | |
| 24. HANDING IN THAT
LAST TERM PAPER | | | |

#1

#2

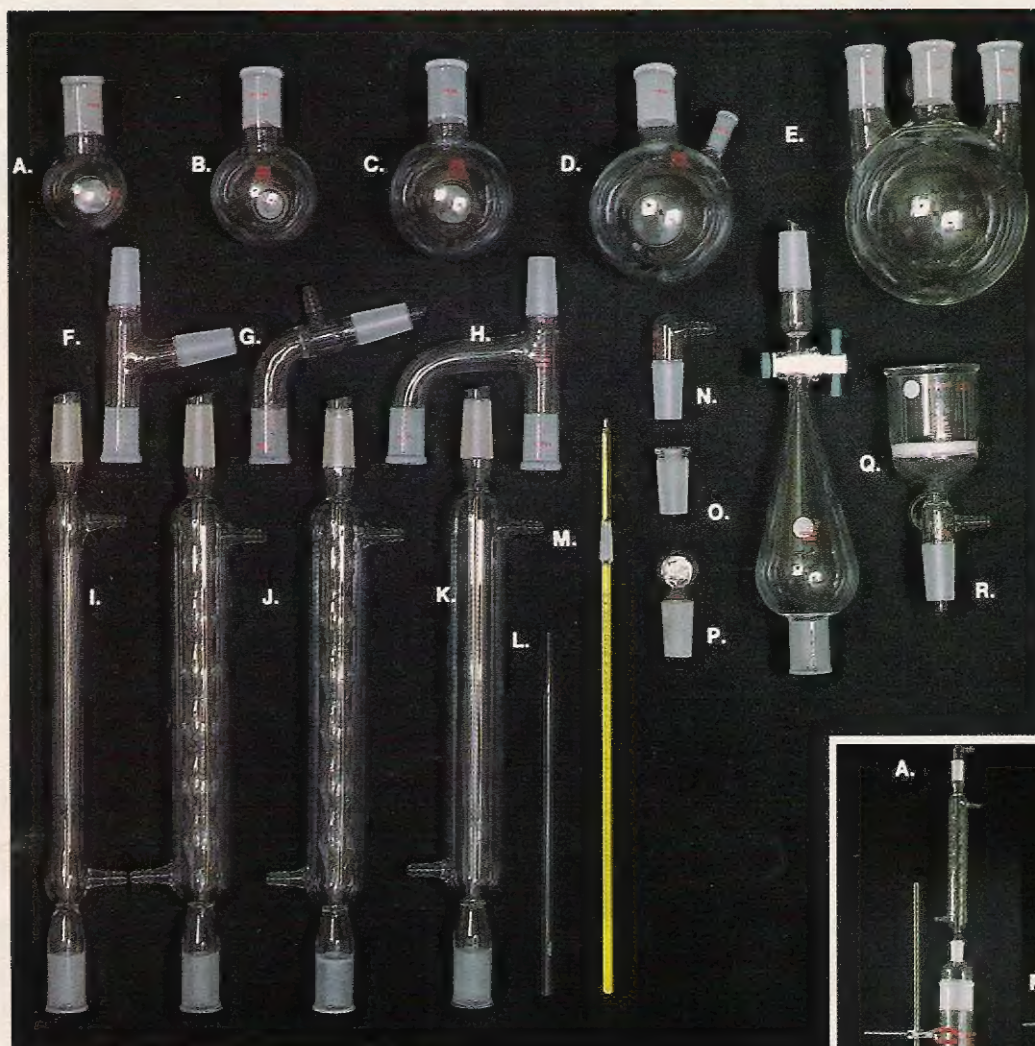
#3

WRITE DOWN YOUR CHOICES FOR THE TOP 100! AND REMEMBER - YOUR VOTE DECIDES IF AN OLD FAVORITE MAKES THE TOP 10...OR NOT! (VOTING'S BEEN THAT TIGHT!!)

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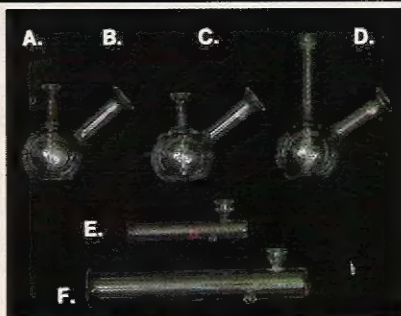
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- E. 1 1000ml 3-Neck Boiling Flask
- F. 1 Adapter - 3 Way 75°
- G. 1 Adapter - 105° with Vacuum Connection
- H. 1 Adapter - 2 Way Claisen
- I. 1 300ml West Condenser
- J. 2 300ml Allihn Condensers
- K. 1 300ml Liebig Condenser
- L. 1 Bleed Pipe
- M. 1 Thermometer - 10/30 Ground Joint - 10° to 360°
- N. 1 Adapter - 90° to Gas Port
- O. 1 Thermometer Bushing Adapter 10/30 to 24/40
- P. 1 Stopper - 24/40
- Q. 1 Buchner Funnel - 150ml 24/40 with Vacuum
- R. 1 250ml Separatory Funnel

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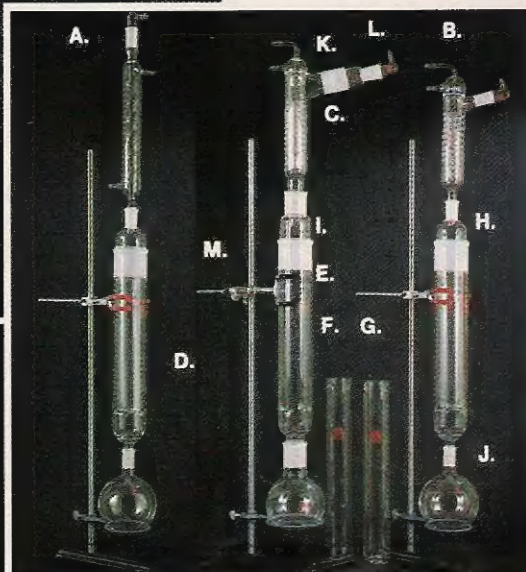


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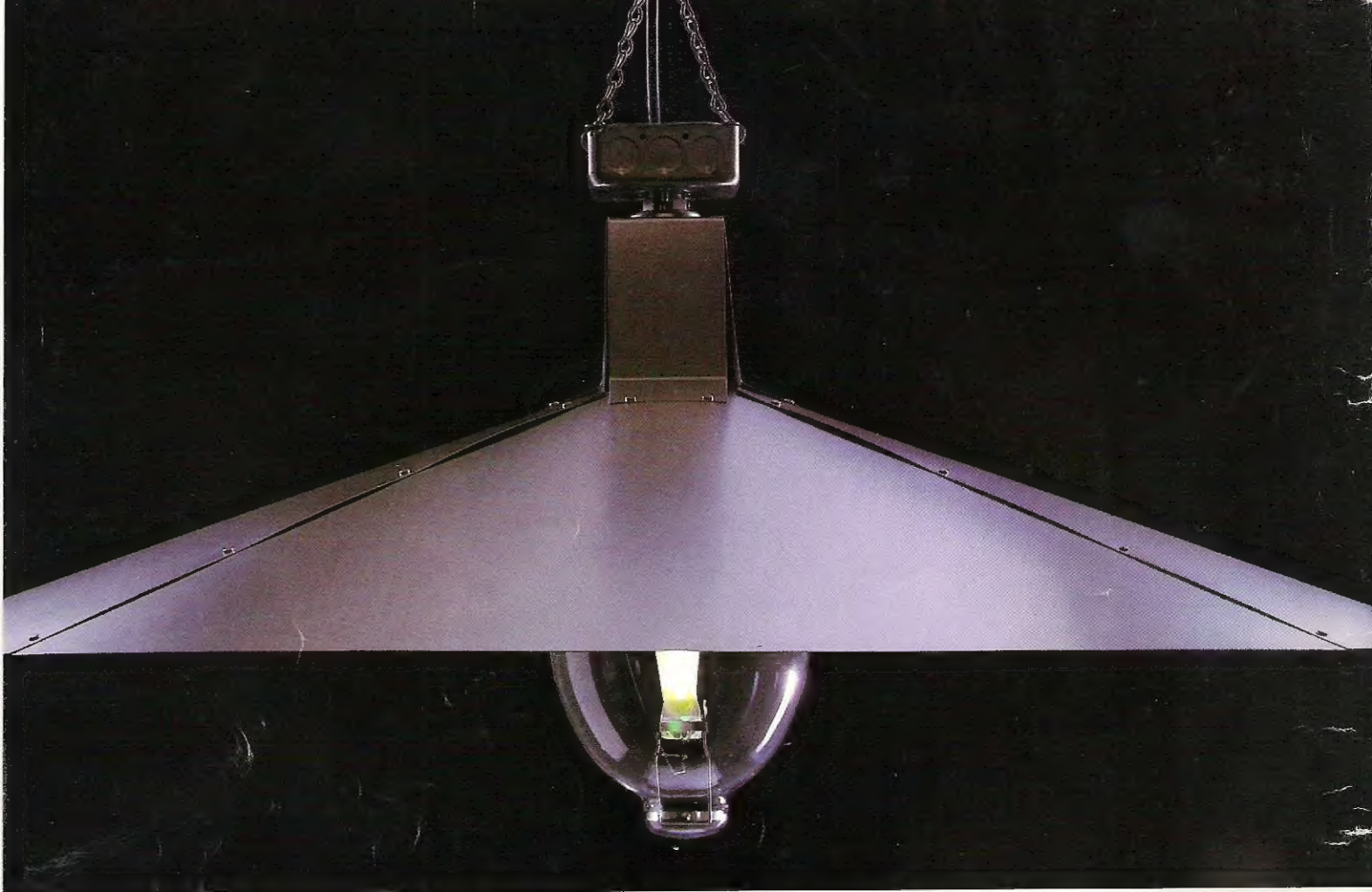
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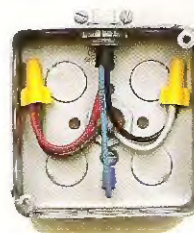
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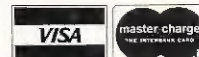
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